

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2005, 22:36:57 ; Search time 4.47527 Seconds
(without alignments)
8043.788 Million cell updates/sec

Title: us-09-909-317-1

Perfect score: 22

Sequence: 1 gattccccctctctctcttcttctt 22

Scoring table: IDENTITY_NUC

Searched: 1202784 seqs, 818138359 residues

Total number of Hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	22	100.0	22	US-09-280-181B-1	Sequence 1, Appl1
2	18.4	83.6	34408	4 US-09-949-016-14010	Sequence 14010, A
3	17.8	80.9	366	4 US-09-248-796A-10881	Sequence 10881, A
4	17.8	80.9	601	4 US-09-949-016-80901	Sequence 80901, A
5	17.8	80.9	601	4 US-09-949-016-111397	Sequence 111397, A
6	17.8	80.9	711	4 US-09-248-796A-2809	Sequence 2809, Ap
7	17.8	80.9	45086	4 US-09-949-016-14816	Sequence 14816, A
8	17.8	80.9	49378	4 US-09-949-016-13408	Sequence 13408, A
9	17.8	80.9	199471	4 US-09-949-016-14083	Sequence 14083, A
10	17.4	79.1	601	4 US-09-949-016-69074	Sequence 69074, A
11	17.4	79.1	601	4 US-09-949-016-137497	Sequence 137497, A
12	17.4	79.1	19503	4 US-09-949-016-16528	Sequence 16528, A
13	17.4	79.1	53336	4 US-09-949-016-12500	Sequence 12500, A
14	17.4	79.1	53337	4 US-09-949-016-16092	Sequence 16092, A
15	17.4	79.1	58844	4 US-09-949-016-13769	Sequence 13769, A
16	17.4	79.1	96739	4 US-09-949-016-15606	Sequence 15606, A
17	17.2	78.2	429	4 US-09-621-976-9098	Sequence 9098, Ap
18	17.2	78.2	813	4 US-09-308-386A-2	Sequence 2, Appl1
19	17.2	78.2	1087	3 US-09-372-422A-29	Sequence 29, Appl1
20	17.2	78.2	5357	4 US-09-979-765-1	Sequence 1, Appl1
21	17.2	78.2	16216	4 US-09-949-016-17377	Sequence 17377, A
22	17.2	78.2	41454	4 US-09-949-016-17107	Sequence 17107, A
23	17.2	78.2	41454	4 US-09-949-016-13547	Sequence 13547, A
24	17.2	78.2	46085	4 US-09-949-016-13548	Sequence 13548, A
25	17.2	78.2	85122	4 US-09-949-016-14593	Sequence 14593, A
26	17.2	78.2	98864	4 US-09-949-016-15403	Sequence 15403, A
27	17.2	78.2	114793	4 US-10-148-806-3	Sequence 3, Appl1

C	28	17.2	78.2	119214	4	US-09-949-016-12507	Sequence 12507, A
C	29	17.2	78.2	237863	4	US-09-949-016-13404	Sequence 13404, A
C	30	16.8	76.4	170	4	US-09-513-999C-29029	Sequence 29029, A
C	31	16.8	76.4	301	2	US-08-332-766A-23	Sequence 23, Appl1
C	32	16.8	76.4	344	4	US-09-513-999C-32790	Sequence 32790, A
C	33	16.8	76.4	521	3	US-09-488-744A-10	Sequence 10, Appl1
C	34	16.8	76.4	601	4	US-09-949-016-53550	Sequence 53550, A
C	35	16.8	76.4	601	4	US-09-949-016-133079	Sequence 133079, A
C	36	16.8	76.4	601	4	US-09-949-016-133080	Sequence 133080, A
C	37	16.8	76.4	601	4	US-09-949-016-140928	Sequence 140928, A
C	38	16.8	76.4	601	4	US-09-949-016-156380	Sequence 156380, A
C	39	16.8	76.4	601	4	US-09-949-016-160881	Sequence 160881, A
C	40	16.8	76.4	601	4	US-09-949-016-160882	Sequence 160882, A
C	41	16.8	76.4	601	4	US-09-949-016-196595	Sequence 196595, A
C	42	16.8	76.4	601	4	US-09-949-016-196596	Sequence 196596, A
C	43	16.8	76.4	601	4	US-09-949-016-202254	Sequence 202254, A
C	44	16.8	76.4	675	4	US-09-248-796A-2987	Sequence 2987, Ap
C	45	16.8	76.4	865	4	US-09-270-767-4587	Sequence 4587, Ap

ALIGNMENTS

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RESULT 1
US-09-280-181B-1
; Sequence 1, Application US/09280181B
; Patent No. 6280941
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280,181B
; CURRENT FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-1

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Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-949-016-14010/C
; Sequence 14010, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14010
; LENGTH: 34408
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TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(34408)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14010

Query Match
Best Local Similarity 83.6%; Score 18.4; DB 4; Length 34408;
Matches 19; Conservative 0; Pred. No. 1e+02; 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 22
Db 1839 TTCCCATCTCTCTTTCTT 1820

RESULT 3
US-09-248-796A-10881
Sequence 10881, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 10881
LENGTH: 366
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-10881

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 366;
Matches 19; Conservative 0; Pred. No. 1.1e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 138 ATTCCCATCTCTCTTTCTT 158

RESULT 4
US-09-949-016-80901
Sequence 80901, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 80901
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-80901

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 227 ATTCCCATCTCTCTTTCTT 247

RESULT 5
US-09-949-016-111397/C
Sequence 111397, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111397
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111397

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 36 ATTCCCATCTCTCTTTCTT 16

RESULT 6
US-09-248-796A-2809/C
Sequence 2809, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 2809
LENGTH: 711
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-2809

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 711;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 600 ATTCCCATCTCTCTTTCTT 580

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RESULT 7
US-09-949-016-14816
; Sequence 14816, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14816
; LENGTH: 45086
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14816

Query Match      80.9%; Score 17.8; DB 4; Length 45086;
Best Local Similarity 90.5%; Pred. No. 1.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 ATTCCCATCTCTCTTCTT 22
Db      30163 ATTCCCATCTCTCTTCTT 30183

RESULT 8
US-09-949-016-13408
; Sequence 13408, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13408
; LENGTH: 49378
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13408

Query Match      80.9%; Score 17.8; DB 4; Length 49378;
Best Local Similarity 90.5%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 ATTCCCATCTCTCTTCTT 22
Db      5375 ATTCCCATCTCTCTTCTT 5395

RESULT 9
US-09-949-016-14083/c
; Sequence 14083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14083
; LENGTH: 199471
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(199471)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14083

Query Match      80.9%; Score 17.8; DB 4; Length 199471;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      2 ATTCCCATCTCTCTTCTT 22
Db      25857 ATTCCCATCTCTCTTCTT 25837

RESULT 10
US-09-949-016-69074/c
; Sequence 69074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-20
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69074
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-69074

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Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db      331 ATTCCCATCTCTCTTCTT 313

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US-09-949-016-137497/c
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; Patent No. 6812339
; GENERAL INFORMATION:
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137497
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137497
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Query Match          79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db       539 GATTCCTCTCTCTCTTC 521
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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; SEQ ID NO 16528
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16528
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Query Match          79.1%; Score 17.4; DB 4; Length 19503;
Best Local Similarity 94.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Db       3766 TCCCATCTCTCTCTTT 3748
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US-09-949-016-12500
; Sequence 12500, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
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; SEQ ID NO 12500
; LENGTH: 53336
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12500
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Best Local Similarity 94.7%; Pred. No. 2.9e+02;
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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16092
; LENGTH: 53337
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16092
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Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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; Patent No. 6812339
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 13769
; LENGTH: 58844
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13769

Query Match 79.1%; Score 17.4; DB 4; Length 58844;
Best Local Similarity 94.7%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 16891 ATTCCCATCTCTCTTCT 16909

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Job time : 7.47527 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 28, 2005, 00:47:38 ; Search time 54.3236 Seconds
(without alignments)
2399.695 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattcccatctctctcttc 22

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Total number of hits satisfying chosen parameters: 10789606

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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6: /cgn2_6/prodata/2/pubpna/PCRNUS_PUBCOMB.seq:*
7: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/prodata/2/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/prodata/2/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/prodata/2/pubpna/US09C_PUBCOMB.seq:*
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12: /cgn2_6/prodata/2/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/prodata/2/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/prodata/2/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/prodata/2/pubpna/US10E_PUBCOMB.seq:*
17: /cgn2_6/prodata/2/pubpna/US10F_PUBCOMB.seq:*
18: /cgn2_6/prodata/2/pubpna/US10F_PUBCOMB.seq:*
19: /cgn2_6/prodata/2/pubpna/US10F_NEW_PUB.seq:*
20: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq:*
21: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
22: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	22	US-09-909-317-1	Sequence 1, Appl
2	20	90.9	650	US-10-027-632-190184	Sequence 190184,
3	20	90.9	650	US-10-027-632-190184	Sequence 190184,
4	19	86.4	32189	US-09-764-878-379	Sequence 379, App
5	19	86.4	32189	US-10-079-854-379	Sequence 379, App
6	19	86.4	32221	US-09-764-878-377	Sequence 377, App
7	19	86.4	32221	US-10-079-854-377	Sequence 377, App
8	18.8	85.5	1334	US-10-180-375-7	Sequence 7, Appl
9	18.8	85.5	1334	US-10-183-687-23	Sequence 23, Appl
10	18.4	83.6	284	US-10-424-599-92893	Sequence 92893, A
11	18.4	83.6	1309	US-10-424-599-59036	Sequence 59036, A

C 12	18.4	83.6	6351	15	US-10-311-455-1419	Sequence 1419, Ap
C 13	18.4	83.6	6351	17	US-10-221-613-191	Sequence 191, App
C 14	18.4	83.6	23695	18	US-10-433-793-11	Sequence 11, Appl
C 15	18.4	83.6	54016	19	US-10-741-600-1786	Sequence 1786, A
C 16	18.4	83.6	189817	18	US-10-741-601-5660	Sequence 5660, Ap
C 17	18.4	83.6	189817	19	US-10-741-600-17685	Sequence 17685, A
C 18	18	81.8	500	17	US-10-242-532A-26433	Sequence 26433, A
C 19	18	81.8	500	17	US-10-085-783A-26433	Sequence 26433, A
C 20	18	81.8	73764	18	US-10-741-601-5616	Sequence 5616, Ap
C 21	17.8	80.9	324	17	US-10-424-599-31004	Sequence 31004, A
C 22	17.8	80.9	363	18	US-10-674-124A-23460	Sequence 23460, A
C 23	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913,
C 24	17.8	80.9	571	13	US-10-027-632-206915	Sequence 206915,
C 25	17.8	80.9	571	17	US-10-027-632-206913	Sequence 206913,
C 26	17.8	80.9	571	17	US-10-027-632-206915	Sequence 206915,
C 27	17.8	80.9	671	18	US-10-425-115-48053	Sequence 48053, A
C 28	17.8	80.9	1143	13	US-10-027-632-206914	Sequence 206914,
C 29	17.8	80.9	1143	17	US-10-027-632-206914	Sequence 206914,
C 30	17.8	80.9	7819	15	US-10-311-455-1925	Sequence 1925, Ap
C 31	17.8	80.9	7819	15	US-10-240-485-159	Sequence 159, App
C 32	17.8	80.9	20158	18	US-10-719-993-6760	Sequence 6760, Ap
C 33	17.8	80.9	49600	17	US-10-459-262A-3	Sequence 3, Appl
C 34	17.8	80.9	91552	17	US-10-415-058-5	Sequence 5, Appl
C 35	17.8	80.9	96595	11	US-09-997-722-43	Sequence 43, Appl
C 36	17.8	80.9	2940917	13	US-10-027-632-174763	Sequence 174763,
C 37	17.8	80.9	2940917	17	US-10-027-632-174763	Sequence 174763,
C 38	17.4	79.1	201	19	US-10-741-600-26828	Sequence 26828, A
C 39	17.4	79.1	720	13	US-10-027-632-101998	Sequence 101998,
C 40	17.4	79.1	720	17	US-10-027-632-101998	Sequence 101998,
C 41	17.4	79.1	1386	17	US-10-424-599-94947	Sequence 94947, A
C 42	17.4	79.1	1446	18	US-10-767-701-12634	Sequence 12634, A
C 43	17.4	79.1	1446	17	US-10-203-318A-22	Sequence 22, Appl
C 44	17.4	79.1	1446	17	US-10-203-318A-24	Sequence 24, Appl
C 45	17.4	79.1	1651	9	US-09-938-842A-2730	Sequence 2730, Ap

ALIGNMENTS

RESULT 1
US-09-909-317-1
; Sequence 1, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-1

Query Match 100.0%; Score 22; DB 11; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.1;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTT 22
Db 1 GATTCCTCATCTCTCTCTTT 22

RESULT 2
US-10-027-632-190184/C
; Sequence 190184, Application US/10027632

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; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-190184

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```

Query Match      90.9%; Score 20; DB 13; Length 650;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY      3  TTCCCATCTCTCTTTCTTT 22
Db      161 TTCCCATCTCTCTTTCTTT 142

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RESULT 3
US-10-027-632-190184/c
; Sequence 190184, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 190184
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-190184

```

```

Query Match      90.9%; Score 20; DB 17; Length 650;

```

```

Best Local Similarity 100.0%; Pred. No. 51;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY      3  TTCCCATCTCTCTTTCTTT 22
Db      161 TTCCCATCTCTCTTTCTTT 142

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```

RESULT 4
US-09-764-878-379/c
; Sequence 379, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-878-379

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Query Match      86.4%; Score 19; DB 9; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1,6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY      4  TTCCCATCTCTCTTTCTTT 22
Db      19817 TTCCCATCTCTCTTTCTTT 19799

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```

RESULT 5
US-10-079-854-379/c
; Sequence 379, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121C1
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 379
; LENGTH: 32189
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-079-854-379

```

```

Query Match      86.4%; Score 19; DB 14; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1,6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      4  TTCCCATCTCTCTTTCTTT 22
Db      19817 TTCCCATCTCTCTTTCTTT 19799

```

```

RESULT 6
US-09-764-878-377/c
; Sequence 377, Application US/09764878
; Patent No. US20020090615A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA121
; CURRENT APPLICATION NUMBER: US/09/764,878

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; CURRENT FILING DATE: 2001-01-17
; Prior Application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-878-377
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```
Query Match      86.4%; Score 19; DB 9; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      4 TCCGCATCTCTCTTTCTTT 22
DB      19848 TCCGCATCTCTCTTTCTTT 19830
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```
RESULT 7
US-10-079-854-377/c
; Sequence 377, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAL2ICI
; CURRENT APPLICATION NUMBER: US/10/079,854
; CURRENT FILING DATE: 2002-02-22
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-079-854-377
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```
Query Match      86.4%; Score 19; DB 14; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      4 TCCGCATCTCTCTTTCTTT 22
DB      19848 TCCGCATCTCTCTTTCTTT 19830
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```
RESULT 8
US-10-180-375-7/c
; Sequence 7, Application US/10180375
; Publication No. US2003012638A1
; GENERAL INFORMATION:
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Farnodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Helentjaris, Timothy
; APPLICANT: Li, Changjiang
; APPLICANT: Lowe, Keith
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration of Oil Traits in Plants
; FILE REFERENCE: B81458 US NAI
; CURRENT APPLICATION NUMBER: US/10/180,375
```

```
; CURRENT FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-180-375-7
```

```
Query Match      85.5%; Score 18.8; DB 15; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
QY      1 GATTCCTCATCTCTCTTTCTTT 22
DB      1238 GATTCCTCATCTCTCTTTCTTT 1217
```

```
RESULT 9
US-10-183-687-23/c
; Sequence 23, Application US/10183687
; Publication No. US20030204870A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Cahoon, Rebecca
; APPLICANT: Farnodu, Rebecca
; APPLICANT: Farnodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Jones, Todd
; APPLICANT: Kliney, Tony
; APPLICANT: Klein, Ted
; APPLICANT: Li, Changjiang
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Sakai, Hajime
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration of Oil Traits in Plants
; FILE REFERENCE: B81458 US NA
; CURRENT APPLICATION NUMBER: US/10/183,687
; CURRENT FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/301,913
; PRIOR FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-183-687-23
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```
Query Match      85.5%; Score 18.8; DB 17; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
QY      1 GATTCCTCATCTCTCTTTCTTT 22
DB      1238 GATTCCTCATCTCTCTTTCTTT 1217
```

```
RESULT 10
US-10-424-599-92893/c
; Sequence 92893, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
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; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 92893
; LENGTH: 284
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(284)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_54898C.1
US-10-424-599-92893

Query Match      83.6%; Score 18.4; DB 17; Length 284;
Best Local Similarity 95.0%; Pred. No. 2.4e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      49 TTCCCATCTCTCTGCTTT 30

RESULT 11
US-10-424-599-59036/c
; Sequence 59036, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21 (53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 59036
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_24320C.1
US-10-424-599-59036

Query Match      83.6%; Score 18.4; DB 17; Length 1309;
Best Local Similarity 95.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      57 TTCCCATCTCTGCTTT 38

RESULT 12
US-10-311-455-1419/c
; Sequence 1419, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIRENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detect
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
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; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1419
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1419

Query Match      83.6%; Score 18.4; DB 15; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.7e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 13
US-10-221-613-191/c
; Sequence 191, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIRENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: PCT/EP01/02945
; DE 10013847.00
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-03-15
; 2000-03-15
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 428
; SEQ ID NO 191
; LENGTH: 6351
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-613-191

Query Match      83.6%; Score 18.4; DB 17; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.7e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 14
US-10-433-793-11/c
; Sequence 11, Application US/10433793
; Publication No. US2004012334A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 11
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; LENGTH: 23695
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-11

```

```

Query Match      83.6%; Score 18.4; DB 18; Length 23695;
Best Local Similarity 95.0%; Pred. No. 2.9e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      3 TTCCCATCTCTCTTCTT 22
         ||||| ||||| |||||
Db      4736 TTCCCTCTCTCTTCTT 4717

```

```

RESULT 15
US-10-741-600-17886/C
; Sequence 17886, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CI001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; NUMBER OF SEQ.ID NOS: 73997
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 17886
; LENGTH: 54016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(54016)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17886

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```

Query Match      83.6%; Score 18.4; DB 19; Length 54016;
Best Local Similarity 95.0%; Pred. No. 3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      3 TTCCCATCTCTCTTCTT 22
         ||||| ||||| |||||
Db      5841 TTCCCTCTCTCTTCTT 5822

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Search completed: February 28, 2005, 06:52:25
 Job time : 60.3236 secs

This Page Blank (uspto)

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2005, 22:36:57 ; Search time 4.06842 Seconds
(without alignments)
8043.788 Million cell updates/sec

Title: US-09-909-317-2

Perfect score: 20
Sequence: 1 aaatgtgtgaactgca 20

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/ptodata/1/ina/5A COMB. seq: *
2: /cgn2_6/ptodata/1/ina/5B COMB. seq: *
3: /cgn2_6/ptodata/1/ina/6A COMB. seq: *
4: /cgn2_6/ptodata/1/ina/6B COMB. seq: *
5: /cgn2_6/ptodata/1/ina/PCUS COMB. seq: *
6: /cgn2_6/ptodata/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	100.0	20	3	US-09-280-181B-2
2	16.8	84.0	325	4	US-08-956-171E-1722
3	16.8	84.0	325	4	US-08-781-986A-1722
4	16.8	84.0	601	4	US-09-949-016-87851
5	16.8	84.0	601	4	US-09-949-016-87852
6	16.8	84.0	601	4	US-09-949-016-183202
7	16.8	84.0	601	4	US-09-949-016-186785
8	16.8	84.0	601	4	US-09-949-016-186786
9	16.8	84.0	23439	4	US-08-956-171E-38
10	16.8	84.0	23439	4	US-08-781-986A-38
11	16.8	84.0	62908	4	US-09-949-016-17554
12	16.8	84.0	86440	4	US-09-949-016-11945
13	16.8	84.0	123463	4	US-09-949-016-15990
14	16.8	84.0	123463	4	US-09-949-016-17078
15	16.8	84.0	129327	4	US-09-949-016-12257
16	16.8	84.0	129327	4	US-09-949-016-15358
17	16.8	84.0	159337	4	US-09-949-016-15359
18	16.8	84.0	232024	4	US-09-949-016-13477
19	16.8	84.0	254964	4	US-09-949-016-12583
20	16.8	84.0	254964	4	US-09-949-016-17392
21	16.8	84.0	670689	4	US-09-949-016-12505
22	16.8	84.0	670689	4	US-09-949-016-14207
23	16.8	84.0	786431	4	US-09-751-389-3
24	16.4	82.0	271	3	US-09-222-575-50
25	16.4	82.0	271	4	US-09-389-681-50
26	16.4	82.0	271	4	US-09-620-405B-50
27	16.4	82.0	271	4	US-09-339-338-50

C	28	16.4	82.0	271	4	US-09-433-826B-50	Sequence 50, Appl
C	29	16.4	82.0	271	4	US-09-604-287A-50	Sequence 50, Appl
C	30	16.4	82.0	271	4	US-09-285-480-50	Sequence 50, Appl
C	31	16.4	82.0	271	4	US-09-834-759-50	Sequence 50, Appl
C	32	16.4	82.0	271	4	US-09-590-751A-50	Sequence 50, Appl
C	33	16.4	82.0	271	4	US-09-551-621-50	Sequence 1279, Ap
C	34	16.4	82.0	580	4	US-09-702-705-1279	Sequence 1279, Ap
C	35	16.4	82.0	580	4	US-09-736-457-1279	Sequence 1279, Ap
C	36	16.4	82.0	580	4	US-09-614-124B-1279	Sequence 1279, Ap
C	37	16.4	82.0	580	4	US-09-671-325-1279	Sequence 1279, Ap
C	38	16.4	82.0	580	4	US-09-658-824-1279	Sequence 1279, Ap
C	39	16.4	82.0	601	4	US-09-949-016-157857	Sequence 157857,
C	40	16.4	82.0	601	4	US-09-949-016-157858	Sequence 157858,
C	41	16.4	82.0	601	4	US-09-949-016-157859	Sequence 157859,
C	42	16.4	82.0	601	4	US-09-949-016-157860	Sequence 157860,
C	43	16.4	82.0	639	3	US-09-221-017B-741	Sequence 741, App
C	44	16.4	82.0	1001	4	US-09-671-317-149	Sequence 149, App
C	45	16.4	82.0	2279	4	US-09-702-705-1792	Sequence 1792, Ap

ALIGNMENTS

RESULT 1
US-09-280-181B-2
; Sequence 2, Application US/09280181B
; Patent No. 6286941
; GENERAL INFORMATION:
; APPLICANT: Betsy P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280,181B
; NUMBER FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-2

Query Match 100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.59; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AAATGTGTAATGACTGCA 20
Db 1 AAATGTGTAATGACTGCA 20

RESULT 2
US-08-956-171E-1722/C
; Sequence 1722, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; APPLICANT: Patrick S. Dillon
; APPLICANT: Craig A. Rosen
; APPLICANT: Steven C. Barash
; APPLICANT: Michael R. Fauman
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESSES:
ADDRESSER: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:

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/
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION NUMBER: US/08/956,171E
/ APPLICATION DATA:
/ FILING DATE: 20-Oct-1997
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION NUMBER:
/ APPLICATION DATA:
/ FILING DATE: January 5, 1996
/ APPLICATION NUMBER: 08/781,986
/ FILING DATE: January 3, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mark J. Hyman
/ REGISTRATION NUMBER: 46,789
/ REFERENCE/DOCKET NUMBER: PB248P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (240) 314-1224
/ TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 1722:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 325 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 3
US-08-781-986A-1722/c
/ Sequence 1722, Application US/08781986A
/ Patent No. 6737248
/ GENERAL INFORMATION:
/ APPLICANT: Charles Kunsch
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5255
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/781,986A
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Benson, Bob
/ REGISTRATION NUMBER: 30,446
/ REFERENCE/DOCKET NUMBER: PB248BP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (301) 309-8504
/ TELEFAX: (301) 309-8512
/ INFORMATION FOR SEQ ID NO: 1722:
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/
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 325 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 4
US-09-949-016-87851/c
/ Sequence 87851, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 87851
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
/ US-09-949-016-87851

Query Match      84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
DB      250 AAATTGAGTAATGATTGCA 231

RESULT 5
US-09-949-016-87852/c
/ Sequence 87852, Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CLO01307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO: 87852
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
```

US-09-949-016-87852

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
|||||
DB 249 AAATGGTGAATGACTGCA 230

RESULT 6

US-09-949-016-183202/c
; Sequence 183202, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 183202
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-183202

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
|||||
DB 156 AAATGGTGAATGACTGCA 137

RESULT 7

US-09-949-016-186785/c
; Sequence 186785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186785

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
|||||
DB 520 AAATGGTGAATGACTGCA 501

RESULT 8

US-09-949-016-186786/c
; Sequence 186786, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186786
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186786

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGGTGAATGACTGCA 20
|||||
DB 392 AAATGGTGAATGACTGCA 373

RESULT 9

US-08-956-171E-38
; Sequence 38, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,966

```

; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248PI
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-08-956-171E-38

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred. No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 AAATTGGTAAATGACTGCA 20
Db      22929 AACGTGGTAAATGACTGCA 22948

RESULT 10
US-08-781-986A-38
; Sequence 38, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8512
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred. No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 AAATTGGTAAATGACTGCA 20
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```

Db      22929 AACGTGGTAAATGACTGCA 22948

RESULT 11
US-09-949-016-17554/C
; Sequence 17554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17554
; LENGTH: 62908
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)-(62908)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17554

Query Match      84.0%; Score 16.8; DB 4; Length 62908;
Best Local Similarity 90.0%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 AAATTGGTAAATGACTGCA 20
Db      38163 AAAGTGGTAAATGACTGCA 38144

RESULT 12
US-09-949-016-11945/C
; Sequence 11945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11945
; LENGTH: 86439
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11945

Query Match      84.0%; Score 16.8; DB 4; Length 86439;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY      1 AAATTGGTAAATGACTGCA 20
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Db 23617 AAATTGGTGAATGCTGCA 23598

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RESULT 13
US-09-949-016-16990/c
; Sequence 16990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 16990
; LENGTH: 86440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16990
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Query Match 84.0%; Score 16.8; DB 4; Length 86440;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 23617 AAATTGGTGAATGCTGCA 23598

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RESULT 14
US-09-949-016-17078/c
; Sequence 17078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 17078
; LENGTH: 123463
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(123463)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17078
```

Query Match 84.0%; Score 16.8; DB 4; Length 123463;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 29756 AAATTGGTGAATGCTGCA 29737

```
RESULT 15
US-09-949-016-12257/c
; Sequence 12257, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 12257
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12257
```

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 68053 AAATTGGTGAATGCTGCA 68034

Search completed: February 28, 2005, 01:15:05
Job time : 8.06842 secs

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; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5

```

```

Query Match      100.0%; Score 20; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 AAATTGGTATGACTGCA 20
      |||
Db      909 AAATTGGTATGACTGCA 890

```

```

RESULT 3
US-10-322-281-560/c
; Sequence 560, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 560
; LENGTH: 68732
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(68732)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-560

```

```

Query Match      90.0%; Score 18; DB 18; Length 68732;
Best Local Similarity 100.0%; Pred. No. 2,2e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      3 ATTTGGTATGACTGCA 20
      |||
Db      13183 ATTTGGTATGACTGCA 13166

```

```

RESULT 4
US-10-719-993-16987/c
; Sequence 16987, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0

```

```

; SEQ ID NO 16987
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16987

```

```

Query Match      84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3,4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 AAATTGGTATGACTGCA 20
      |||
Db      179 AAATTGGTATGACTGCA 160

```

```

RESULT 5
US-10-719-993-16986/c
; Sequence 16988, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16988
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16986

```

```

Query Match      84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3,4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 AAATTGGTATGACTGCA 20
      |||
Db      149 AAATTGGTATGACTGCA 130

```

```

RESULT 6
US-09-764-891-9678
; Sequence 9678, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9678
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9678

```

```

Query Match      84.0%; Score 16.8; DB 10; Length 256;
Best Local Similarity 90.0%; Pred. No. 3,5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY      1 AAATTGGTATGACTGCA 20
      |||
Db      86 AAATTGGTATGACTGCA 105

```

```

RESULT 7
US-08-781-986A-1722/c

```

```
/ Sequence 1722, Application US/08781986A
/ Publication No. US20030054436A1
/ GENERAL INFORMATION:
/ APPLICANT: Charles Kunsch
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5255
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/781,986A
/ FILING DATE:
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Benson, Bob
/ REGISTRATION NUMBER: 30,446
/ REFERENCE/DOCKET NUMBER: PB248PP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (301) 309-8504
/ TELEFAX: (301) 309-8512
/ INFORMATION FOR SEQ ID NO: 1722:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 325 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 8; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 A A A T G T G T A A T G A C T G C A 20
Db      57 A A G G T G T G T A A T G A C T G C A 38

RESULT 8
US-10-329-624-1722/c
/ Sequence 1722, Application US/10329624
/ Publication No. US20040043037A1
/ GENERAL INFORMATION:
/ APPLICANT: Charles Kunsch
/ Gil H. Choi
/ Patrick S. Dillon
/ Craig A. Rosen
/ Steven C. Barash
/ Michael R. Fannon
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5256
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ OPERATING SYSTEM: MSDOS version 6.2
```

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/ SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/329,624
/ FILING DATE: 27-Dec-2002
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/956,171
/ FILING DATE: October 20, 1997
/ APPLICATION NUMBER: 60/009,861
/ FILING DATE: January 5, 1996
/ APPLICATION NUMBER: 08/781,986
/ FILING DATE: January 3, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mark J. Hyman
/ REGISTRATION NUMBER: 46,789
/ REFERENCE/DOCKET NUMBER: PB248P1D1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (240) 314-1224
/ TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 1722:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 325 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
/ US-10-329-624-1722
```

```
Query Match      84.0%; Score 16.8; DB 17; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 A A A T G T G T A A T G A C T G C A 20
Db      57 A A G G T G T G T A A T G A C T G C A 38
```

```
RESULT 9
US-10-027-632-218409/c
/ Sequence 218409, Application US/10027632
/ Publication No. US20020198371A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 218409
/ LENGTH: 663
/ TYPE: DNA
/ ORGANISM: Human
/ US-10-027-632-218409
```

```
Query Match      84.0%; Score 16.8; DB 13; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```



```
;
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 23439 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 8; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
DB      22929 AACGTGTGTAATGACTGCA 22948

RESULT 14
US-10-329-624-38
; Sequence 38, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
;   APPLICANT: Charles Kunsch
;             Gil H. Choi
;             Patrick S. Dillon
;             Craig A. Rosen
;             Steven C. Barash
;             Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Human Genome Sciences, Inc.
;   STREET: 9410 Key West Avenue
;   CITY: Rockville
;   STATE: Maryland
;   COUNTRY: USA
;   ZIP: 20850
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
;   COMPUTER: HP Vectra 486/33
;   OPERATING SYSTEM: MSDOS version 6.2
;   SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/329,624
;   FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/956,171
;   FILING DATE: October 20, 1997
;   APPLICATION NUMBER: 60/009,861
;   FILING DATE: January 5, 1996
;   APPLICATION NUMBER: 08/781,986
;   FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
;   NAME: Mark J. Hyman
;   REGISTRATION NUMBER: 46,789
;   REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (240) 314-1224
;   TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 23439 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
; US-10-329-624-38

Query Match      84.0%; Score 16.8; DB 17; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTAAATGACTGCA 20
DB      22929 AACGTGTGTAATGACTGCA 22948

RESULT 15
US-10-210-723-13/c
; Sequence 13, Application US/10210723
; Publication No. US20040023382A1
; GENERAL INFORMATION:
;   APPLICANT: Nicholas M. Dean
;   APPLICANT: C. Frank Bennett
;   APPLICANT: Kenneth W. Doble
; TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3CB EXPRESSION
; FILE REFERENCE: PTS-0028
; CURRENT APPLICATION NUMBER: US/10/210,723
; CURRENT FILING DATE: 2002-07-31
; NUMBER OF SEQ ID NOS: 141
; SEQ ID NO 13
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
;   NAME/KEY: misc.feature
;   LOCATION: 63612-63711
; OTHER INFORMATION: n = A,T,C or G
; US-10-210-723-13

Query Match      84.0%; Score 16.8; DB 17; Length 70000;
Best Local Similarity 90.0%; Pred. No. 8.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
DB      39997 AAACGTGTGTAATGACTGCA 39978

Search completed: February 28, 2005, 06:52:29
Job time : 53.3851 secs
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```
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17468
; LENGTH: 88906
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(88906)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17468

Query Match          72.2%; Score 36.8; DB 4; Length 88906;
Best Local Similarity 85.4%; Pred. No. 0.0022;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 CCCATCTCTTCTTACACACACACACACACACAAATATCT 48
Db      76651 CACATCTCTTCTTACACACACACACACACACAGGTTCT 76604

RESULT 3
US-09-513-999C-13589/C
; Sequence 13589, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 13589
; LENGTH: 182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-13589

Query Match          70.6%; Score 36; DB 4; Length 182;
Best Local Similarity 88.6%; Pred. No. 0.0012;
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      5 TCTCTTCTTACACACACACACACACACAAATATCT 48
Db      180 TCTCTTCTTACACACACACACACACACAAATAT 137

RESULT 4
US-09-949-016-17009
; Sequence 17009, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 17009
; LENGTH: 205163
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17009

Query Match          69.4%; Score 35.4; DB 4; Length 205163;
Best Local Similarity 97.3%; Pred. No. 0.0079;
Matches 36; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      14 TTACACACACACACACACACACACACAAATATCTGA 50
Db      136078 TTACACACACACACACACACACACAAATATCTGA 136114

RESULT 5
US-09-949-016-11808/C
; Sequence 11808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11808
; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808

Query Match          68.6%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY      1 CCCATCTCTTCTTACACACACACACACACACAAATATCTGAT 51
Db      399702 CACATGCTTCTTAAACACACACACACACACATTAAGAT 399652

RESULT 6
US-09-949-016-13388/C
; Sequence 13388, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13388
```

```

; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13388
```

```

Query Match      68.2%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
```

```

Qy 1 CCGATCTCTTCTTTACACACACACACACACAAATATCTGAT 51
Db 399702 CACATGCTTTCTTTTAAACACACACACACACACAAATTAAGAT 399652
```

```

RESULT 7
US-09-949-016-22412/c
; Sequence 22412; Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22412
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22412
```

```

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```

Qy 4 ATCTCTTCTTTACACACACACACACACAAATATCTG 49
Db 66 ACCTCTTATACACACACACACACACACAAATATGATG 21
```

```

RESULT 8
US-09-949-016-22414/c
; Sequence 22414; Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22414
; LENGTH: 601
```

```

; TYPE: DNA
; ORGANISM: Human
US-09-949-016-22414
```

```

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```

Qy 4 ATCTCTTCTTTACACACACACACACACAAATATCTG 49
Db 386 ACCTCTTATACACACACACACACACACAAATATGATG 341
```

```

RESULT 9
US-09-949-016-154217/c
; Sequence 154217; Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154217
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-154217
```

```

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

```

Qy 4 ATCTCTTCTTTACACACACACACACACAAATATCTG 49
Db 66 ACCTCTTATACACACACACACACACACAAATATGATG 21
```

```

RESULT 10
US-09-949-016-154219/c
; Sequence 154219; Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154219
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-154219

Query Match      68.2%; Score 34.8; DB 4; Length 601;
```

Best Local Similarity 84.8%; Pred. No. 0.0041;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49
DB 386 ACCCTTTATACACACACACACACACACGAAATGTATG 341

RESULT 11
US-09-949-016-11957
; Sequence 11957, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11957
; LENGTH: 64813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11957

Query Match 68.2%; Score 34.8; DB 4; Length 64813;
Best Local Similarity 84.8%; Pred. No. 0.01;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49
DB 37795 ACCCTTTATACACACACACACACACACGAAATGTATG 37840

RESULT 12
US-09-949-016-16064
; Sequence 16064, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16064
; LENGTH: 70131
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16064

Query Match 68.2%; Score 34.8; DB 4; Length 70131;
Best Local Similarity 84.8%; Pred. No. 0.01;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49

DB 43449 ACCCTTTATACACACACACACACACACGAAATGTATG 43494

RESULT 13
US-09-949-016-142943
; Sequence 142943, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142943
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142943

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACAAA 42
DB 135 CCATTTATTTATTTACACACACACACACACACACACA 175

RESULT 14
US-09-949-016-142944
; Sequence 142944, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142944
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142944

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACAAA 42
DB 214 CCATTTATTTATTTACACACACACACACACACACA 254

RESULT 15
US-09-949-016-142945

```

; Sequence 142945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 142945
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142945

```

```

Query Match      67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY      2 CCATCTCTTCTTACACACACACACACACACACACAA 42
          |||||  |||||  |||||  |||||  |||||  |||||
Db      397 CCATTATTTCAATTACACACACACACACACACACACA 437

```

Search completed: February 28, 2005, 06:54:46
Job time : 134 secs

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```
Publication No. US20030082609A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
FILE REFERENCE: 5013.1003
CURRENT APPLICATION NUMBER: US/10/239,676
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: PCT/EP01/03968
DE 10019058.8
DE 10019173.8
DE 10032529.7
DE 10043826.1
PRIOR FILING DATE: 2001-04-06
2000-04-06
2000-04-07
2000-06-30
2000-09-01
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2
```

```
Query Match      79.2% Score 40.4; DB 14; Length 10619;
Best Local Similarity 97.6% Pred. No. 0.00034;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTCTTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTCTTTACACACACACACACACACACAA 6637
```

```
RESULT 3
US-10-311-455-44/c
Sequence 44, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detecting Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 44
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44
```

```
Query Match      79.2% Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6% Pred. No. 0.00034;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTCTTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTCTTTACACACACACACACACACACAA 6637
```

```
RESULT 4
US-10-240-453-2/c
Sequence 2, Application US/10240453
Publication No. US20030148326A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Transcription
TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated with DNA Transcription
FILE REFERENCE: 5013.1009
CURRENT APPLICATION NUMBER: US/10/240,453
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: PCT/EP01/03973
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 350
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2
```

```
Query Match      79.2% Score 40.4; DB 15; Length 10619;
Best Local Similarity 97.6% Pred. No. 0.00034;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTCTTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTCTTTACACACACACACACACACACAA 6637
```

```
RESULT 5
US-10-240-589C-2/c
Sequence 2, Application US/10240589C
Publication No. US20040076956A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Repair
FILE REFERENCE: 5013.1008
CURRENT APPLICATION NUMBER: US/10/240,589C
CURRENT FILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: PCT/EP01/03972
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 148
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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```
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589c-2
Query Match          79.2%; Score 40.4; DB 17; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00034;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACACAA 42
    |||
Db 6678 CCCATCTCTTCTTACACACACACACACACACACACA 6637

RESULT 6
US-10-674-124A-3039
; Sequence 3039, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIVA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; PRIOR FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 3039
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AC010744.4_97739
; FEATURE:
; OTHER INFORMATION: Located on chromosome 2
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 84667136
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 18142
US-10-674-124A-3039

Query Match          75.7%; Score 38.6; DB 18; Length 400;
Best Local Similarity 91.1%; Pred. No. 0.00079;
Matches 41; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 TCTCTTCTTACACACACACACACACACAAATATCTG 49
    |||
Db 178 TCTCTCTTATACACACACACACACACACATATATATG 222

RESULT 7
US-10-674-124A-10920
; Sequence 10920, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIVA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A

; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10920
; LENGTH: 154
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D65988
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 13160898
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 107348
US-10-674-124A-10920

Query Match          73.3%; Score 37.4; DB 18; Length 154;
Best Local Similarity 87.2%; Pred. No. 0.0017;
Matches 41; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 5 TCTCTTCTTACACACACACACACACACAAATATCTGAT 51
    |||
Db 76 TCTCTTCTTGAACACACACACACACACACACTCTCTCAT 122

RESULT 8
US-10-357-930-55243
; Sequence 55243, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007HCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55243
; LENGTH: 621
; TYPE: DNA
; ORGANISM: Homo sapiens
```

FEATURE:
NAME/KEY: misc_feature
LOCATION: 31
OTHER INFORMATION: n = A,T,C or G
US-10-357-930-55243

Query Match 72.5%; Score 37; DB 18; Length 621;
Best Local Similarity 88.9%; Pred. No. 0.0031;
Matches 40; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 TCTCTTCTTACACACACACACACACACAAATATCTG 49
DB 161 TCTCTTCTTACACACACACACACACACAAATATGCTT 205

RESULT 9
US-10-160-807-4/c
Sequence 4, Application US/10160807
Publication No. US2003022451A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Preler
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RRS-0189
CURRENT APPLICATION NUMBER: US/10/160,807
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-160-807-4

Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0093;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTACACACACACACACACACAGGTTCT 89955

RESULT 10
US-10-655-847-4/c
Sequence 4, Application US/10655847
Publication No. US20040063129A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Preler
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RRS-0189
CURRENT APPLICATION NUMBER: US/10/655,847
CURRENT FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: US/10/160,807
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-655-847-4

Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0093;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTACACACACACACACACACAGGTTCT 89955

RESULT 11
US-10-717-597-322
Sequence 322, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Burczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Dornier, Andrew J.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Stover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PatentIn version 3.2
SEQ ID NO 322
LENGTH: 170245
TYPE: DNA
ORGANISM: Homo sapiens
US-10-717-597-322

Query Match 72.2%; Score 36.8; DB 18; Length 170245;
Best Local Similarity 85.4%; Pred. No. 0.01;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACAAATATCT 48
DB 80244 CACATCTCTTCTTACACACACACACACACACAGGTTCT 80291

RESULT 12
US-10-674-124A-18213
Sequence 18213, Application US/10674124A
Publication No. US20040197797A1
GENERAL INFORMATION:
APPLICANT: TAMURA, Gen
APPLICANT: INOKO, Hidetoshi
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 18213
LENGTH: 419
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-674-124A-18213

Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0093;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTACACACACACACACACACAGGTTCT 89955

OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: Chromosomal short arm and 5'-terminus of this base

OTHER INFORMATION: sequence : 1189010
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : 223511
US-10-674-124A-18213

Query Match 71.0%; Score 36.2; DB 18; Length 419;
Best Local Similarity 83.7%; Pred. No. 0.0054;
Matches 41; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACAAATATCTG 49
DB 243 CCCATGCTGTATTATACACACACACACACACACACACACTTCTG 291

RESULT 13
US-10-027-632-259460/c
Sequence 259460, Application US/10027632
Publication No. US2002019837A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 259460
LENGTH: 657
TYPE: DNA
ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 13; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTTACACACACACACACACACACA 40
DB 174 TCTCTTTCTTTTACACACACACACACACACACA 139

RESULT 14
US-10-027-632-259460/c
Sequence 259460, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
PRIOR FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 259460
LENGTH: 657
TYPE: DNA
ORGANISM: Human
US-10-027-632-259460

Query Match 70.6%; Score 36; DB 17; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 TCTCTTTCTTTTACACACACACACACACACACA 40
DB 174 TCTCTTTCTTTTACACACACACACACACACACA 139

RESULT 15
US-10-674-124A-12309
Sequence 12309, Application US/10674124A
Publication No. US2004019797A1
GENERAL INFORMATION:
APPLICANT: INOKO, Hidetoshi
APPLICANT: TAMURA, Gen
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
PRIOR FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 12309
LENGTH: 143
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: D782443
FEATURE:
OTHER INFORMATION: Located on chromosome 7
FEATURE:
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
OTHER INFORMATION: sequence : 81430512
FEATURE:
OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
OTHER INFORMATION: 5'-terminus of this base sequence : 39232
US-10-674-124A-12309

Query Match 69.8%; Score 35.6; DB 18; Length 143;
Best Local Similarity 90.5%; Pred. No. 0.0072;
Matches 38; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCCATCTCTTTTACACACACACACACACACACAAA 42

Mon Feb 28 11:42:46 2005

us-09-909-317-5_copy_830_880.rnpb

Page 6

Db

56 CCTCTCTTCTCTACACACACACACACACACACA 97

Search completed: February 28, 2005, 08:15:12
Job time : 491 secs


```

; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 19930406
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654.0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3747 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-044-618-5

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Query Match      8.4%; Score 175; DB 1; Length 3747;
Best Local Similarity 100.0%; Pred. No. 6e-59;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GGTGTTCTAGTCGTGCGCTCGGCGCTTCCGAGAGCTTTGGCGGAGGATGGC 1947
DB 136 GGTGTTCTAGTCGTGCGCTCGGCGCTTCCGAGAGCTTTGGCGGAGGATGGC 195

QY 1948 GGAAGCTTCGATGAGCTCTATCGAGTACGCGCAAGCGGCGGCGCTCTTGCA 2007
DB 196 GGAAGCTTCGATGAGCTCTATCGAGTACGCGCAAGCGGCGGCGCTCTTGCA 255

QY 2008 GAAATGCAAGCAGAGATCCCAAGAGCTCGCTCCGATGCGCATGATGTCAG 2062
DB 256 GAAATGCAAGCAGAGATCCCAAGAGCTCGCTCCGATGCGCATGATGTCAG 310

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```

RESULT 3
US-09-596-248D-24
; Sequence 24, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 24
; LENGTH: 3045
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3045)
; OTHER INFORMATION:
; US-09-596-248D-24

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Query Match      5.8%; Score 120; DB 4; Length 3045;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1943 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTACGAGCCAGAGCGGCGCCCTCT 2002
DB 1 ATGGCGAGTCTTCGATTAAGCTCTATCGAGTACGAGCCAGAGCGGCGCCCTCT 60

QY 2003 TGCAGAAATGACGAGGAGCATCCCAAGACTCGCTCCGATGCCATCATGTGTGAG 2062
DB 61 TGCAGAAATGACGAGGAGCATCCCAAGACTCGCTCCGATGCCATCATGTGTGAG 120

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RESULT 4
US-08-860-886-1
; Sequence 1, Application US/08860886
; Patent No. 6335009
; GENERAL INFORMATION:
; APPLICANT: Burke, Alexander
; APPLICANT: Zur Hausen, Harald
; APPLICANT: Jan-Helner, Kupper
; TITLE OF INVENTION: VECTORS AND VIRUSES FOR USE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 115 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811

```

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/860,886
FILING DATE: 03-OCT-1997
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 8484-0028-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE

```

```

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3792 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Coding Sequence
LOCATION: 96...3134
OTHER INFORMATION:
US-08-860-886-1

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```

Query Match      3.5%; Score 73; DB 3; Length 3792;
Best Local Similarity 98.9%; Pred. No. 3.1e-19;
Matches 173; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

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QY      1888 GTGTTTCTAGTGTGCGTGGGCTTCGGAGCTTTGGGGGAGAGGATGGC 1947
          41 GTGTTTCTAGTGTGCGTGGGCTTCGGAGCTTTGGGGGAGAGGATGGC 100
QY      1948 GGAGTCTTCGATTAAGCTCTATCGAGTCCGCAAGAGGCGGCGCTTGGCA 2007
          101 GGAGTCTTCGATTAAGCTCTATCGAGTCCGCAAGAGGCGGCGCTTGGCA 160
QY      2008 GAAATGACGCGAAGCATCCCAAGAGCTCGCTCCGATGCCATCATGTGTGCA 2062
          161 GAAATGACGCGAAGCATCCCAAGAGCTCGCTCCGATGCCATCATGTGTGCA 215

RESULT 5
US-09-596-24BD-46
; Sequence 46, Application US/0959624BD
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; TITLE OF INVENTION: Methods
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,24BD
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 46
; LENGTH: 3200
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: hPARP1/hPARP2
;
US-09-596-24BD-46

Query Match      3.4%; Score 71; DB 4; Length 3200;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1943 ATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCCGCAAGAGGCGGCGCTT 2002
          109 ATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCCGCAAGAGGCGGCGCTT 168
QY      2003 TGCAGAAATG 2013
          169 TGCAGAAATG 179
Db

RESULT 6
US-08-044-618-7
; Sequence 7, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMULSON, MARK
; APPLICANT: TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESSES:
; ADDRESSES: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/044,618
FILING DATE: 19930406
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/257,696
FILING DATE: 14-OCT-1988
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAMUEL L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0654,0490001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)466-0800
TELEFAX: (202)833-8716
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5345 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-044-618-7

Query Match      3.1%; Score 64; DB 1; Length 5345;
Best Local Similarity 100.0%; Pred. No. 9.6e-16;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1998 CCTCTGCAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGATGCCATCATGG 2057
          828 CCTCTGCAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGATGCCATCATGG 887
Db      2058 TGCA 2061
          888 TGCA 891
QY      2058 TGCA 2061
          888 TGCA 891
Db

RESULT 7
US-09-949-016-14854/C
; Sequence 14854, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14854
; LENGTH: 8848
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14854

Query Match      2.4%; Score 50; DB 4; Length 8848;
Best Local Similarity 100.0%; Pred. No. 2.6e-10;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      770 GGTGGAGGATTTGCTTGAGCGCAGGGGTTCAAGACCAAGCTGGGCAACAT 819
          4278 GGTGGAGGATTTGCTTGAGCGCAGGGGTTCAAGACCAAGCTGGGCAACAT 4229
Db
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RESULT 8
US-09-949-016-178057
; Sequence 178057, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178057
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178057

Query Match 2.2%: Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 351
DB 237 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 282

RESULT 9
US-09-949-016-178058
; Sequence 178058, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178058
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178058

Query Match 2.2%: Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 351
DB 302 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 347

RESULT 10
US-09-949-016-13423/c
; Sequence 13423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13423
; LENGTH: 69909
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13423

Query Match 2.2%: Score 46; DB 4; Length 69909;
Best Local Similarity 100.0%; Pred. No. 7.3e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 351
DB 53241 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 53196

RESULT 11
US-09-949-016-16847/c
; Sequence 16847, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16847
; LENGTH: 98302
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16847

Query Match 2.2%: Score 46; DB 4; Length 98302;
Best Local Similarity 100.0%; Pred. No. 7e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 351
DB 13787 GGTTCGTCATGTTGTCAGGCTGTCTTGAACCTCTGGGCTCAAG 13742

RESULT 12
US-09-949-016-15078/c
; Sequence 15078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016


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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15078
; LENGTH: 114426
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15078

Query Match
Best Local Similarity 100.0%; Pred. No. 6.9e-09; Length 114426;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 360 CCACCTCAGCCTCCCAAGTGTGATTAATAGCAGGCACTG 405
Db 580 CCACCTCAGCCTCCCAAGTGTGATTAATAGCAGGCACTG 535

RESULT 13
US-09-513-999C-16098
; Sequence 16098, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: S9.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 16098
; LENGTH: 73
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16098

Query Match
Best Local Similarity 100.0%; Pred. No. 3.9e-08; Length 73;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 1442
Db 20 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 64

RESULT 14
US-09-513-999C-16110
; Sequence 16110, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: S9.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
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; SEQ ID NO 16110
; LENGTH: 74
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16110

Query Match
Best Local Similarity 100.0%; Pred. No. 3.9e-08; Length 74;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 1442
Db 21 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 65

RESULT 15
US-09-513-999C-29990
; Sequence 29990, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: S9.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29990
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 16
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 17
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: v=a or c or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: k=g or t
US-09-513-999C-29990

Query Match
Best Local Similarity 100.0%; Pred. No. 3.7e-08; Length 123;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 1442
Db 20 GCCTGTAGTCCAGCTACTCTGGAGGCTGAGTGGAGATCGCT 64

Search completed: February 28, 2005, 08:24:07
Job time : 377 secs
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QY 121 AAATATCTTTTTTTTTTTTTTTGAGACAGGGTCACTGTGCACTCCAGGCTAGAGTCCAG 180
DB 121 AAATATCTTTTTTTTTTTTTTTGAGACAGGGTCACTGTGCACTCCAGGCTAGAGTCCAG 180
QY 181 TGGCATATCATAGGCTCACACAGGCTCACTCCAGGCTAGAGTCTCCCACTTC 240
DB 181 TGGCATATCATAGGCTCACACAGGCTCACTCCAGGCTAGAGTCTCCCACTTC 240
QY 241 AGCCTCCGAGTATGAGTGAAGTCAAGCACTCCAGGCTAGAGTCTCCCACTTC 300
DB 241 AGCCTCCGAGTATGAGTGAAGTCAAGCACTCCAGGCTAGAGTCTCCCACTTC 300
QY 301 GACAGGTTTGGCATATGTTGTCCAGGCTGTCTTGAATCTCTGGGCTCAAGGATCCGGC 360
DB 301 GACAGGTTTGGCATATGTTGTCCAGGCTGTCTTGAATCTCTGGGCTCAAGGATCCGGC 360
QY 361 CACCTCAGCTCCCAAGTCTAGATTAAGGCTAGGCTAGGCTAGGCTAGGCTAGGCT 420
DB 361 CACCTCAGCTCCCAAGTCTAGATTAAGGCTAGGCTAGGCTAGGCTAGGCTAGGCT 420
QY 421 CAAAGTATCTAGTGTATCTTAACTTTAGATTTGGGCTAGTCTCAACCTTCTTC 480
DB 421 CAAAGTATCTAGTGTATCTTAACTTTAGATTTGGGCTAGTCTCAACCTTCTTC 480
QY 481 TTAATCAATCTCTGTCTCTTAAAGCTAGTCTCTCTCTCTCTCTCTCTCTCTCTCT 540
DB 481 TTAATCAATCTCTGTCTCTTAAAGCTAGTCTCTCTCTCTCTCTCTCTCTCTCTCT 540
QY 541 GAGTTTATCTCTGTCTCTTAACTTTCTTATCTCTCTCTCTCTCTCTCTCTCTCTCT 600
DB 541 GAGTTTATCTCTGTCTCTTAACTTTCTTATCTCTCTCTCTCTCTCTCTCTCTCTCT 600
QY 601 AAAGCAGCTCATGTATCAATCTTTGAATGAAAAAAATGATAGATTAAGAAAG 660
DB 601 AAAGCAGCTCATGTATCAATCTTTGAATGAAAAAAATGATAGATTAAGAAAG 660
QY 661 AAACCAATTTTAACTATTTTGAAGTATGATTTTAACTTAACTTAACTTAACTTAA 720
DB 661 AAACCAATTTTAACTATTTTGAAGTATGATTTTAACTTAACTTAACTTAACTTAA 720
QY 721 GCCAGTGCAGTGTCTCATGCTGTATCCAGCAATTTGGAGTCTGAGTGGAGAGT 780
DB 721 GCCAGTGCAGTGTCTCATGCTGTATCCAGCAATTTGGAGTCTGAGTGGAGAGT 780
QY 781 TGTCTGAGGCGAGGGGTTCAAGCAGCTGGGCAATGAGAGATTTCCCATCTCTT 840
DB 781 TGTCTGAGGCGAGGGGTTCAAGCAGCTGGGCAATGAGAGATTTCCCATCTCTT 840
QY 841 CTTTACACACACACACACACACACACAAATATCTGATAGCAACAGTGCAGTCA 900
DB 841 CTTTACACACACACACACACACACACAAATATCTGATAGCAACAGTGCAGTCA 900
QY 901 CCACAATTTGAGTATGATGAGTATTAATATTTGAGTATCACTCAACCTGTA 960
DB 901 CCACAATTTGAGTATGATGAGTATTAATATTTGAGTATCACTCAACCTGTA 960
QY 961 CTAACATGAAAACTGTGTATGATGATGATGATGATGATGATGATGATGATGATG 1020
DB 961 CTAACATGAAAACTGTGTATGATGATGATGATGATGATGATGATGATGATGATG 1020
QY 1021 CTGATATTTTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1080
DB 1021 CTGATATTTTGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1080
QY 1081 CGACGCTGTGTGACGCGAGGTAGAAAGCCGCTCAAGCCAGGAGGCTGAGCTTAC 1140
DB 1081 CGACGCTGTGTGACGCGAGGTAGAAAGCCGCTCAAGCCAGGAGGCTGAGCTTAC 1140
QY 1141 TGCAGGCTGACCTCGGGCCAAATCACTATATTTCCAGAGGCGGGGCTGCTCCGG 1200
DB 1141 TGCAGGCTGACCTCGGGCCAAATCACTATATTTCCAGAGGCGGGGCTGCTCCGG 1200
QY 1201 ACCAGTGCCTCAGGGGAGAGAGACACACTTAAGATTTGGGGCTGGGTAGT 1260

DB 1201 ACCAGTGCCTCAGGGGAGAGAGACACACTTAAGATTTGGGGCTGGGTAGT 1260
QY 1261 CATGCCCTGATCCAGCACTTCGGAGGCTGAGGCTGAGGATCACTTGTAGAGAGT 1320
DB 1261 CATGCCCTGATCCAGCACTTCGGAGGCTGAGGCTGAGGATCACTTGTAGAGAGT 1320
QY 1321 TTGAGACCAATCTAGCCCACTTGGGAGAGCCCTGCTCCCTAAATTTTATTTTAT 1380
DB 1321 TTGAGACCAATCTAGCCCACTTGGGAGAGCCCTGCTCCCTAAATTTTATTTAT 1380
QY 1381 AGCAGTGTGTATGAGGCTGTATGCTTCCAGCTTCTGAGGAGCTGAGTGAAGATC 1440
DB 1381 AGCAGTGTGTATGAGGCTGTATGCTTCCAGCTTCTGAGGAGCTGAGTGAAGATC 1440
QY 1441 CTGGGCTCAGAGATTTCCAGCTGAGTGAAGCAATGAGGAGCTGAGCTCCAGCCGG 1500
DB 1441 CTGGGCTCAGAGATTTCCAGCTGAGTGAAGCAATGAGGAGCTGAGCTCCAGCCGG 1500
QY 1501 TGAAGCTAGTCTCAAAATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1560
DB 1501 TGAAGCTAGTCTCAAAATTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1560
QY 1561 AAGTAAAGCTTCTGTGAGCAGAAATCAAAAGGAGGAGGAGGAGGAGGAGGAGGAG 1620
DB 1561 AAGTAAAGCTTCTGTGAGCAGAAATCAAAAGGAGGAGGAGGAGGAGGAGGAGGAG 1620
QY 1621 CTAGCTCAGCCCAAGCCCGCTGAGGCTCCAGGAGGAGGAGGAGGAGGAGGAGGAG 1680
DB 1621 CTAGCTCAGCCCAAGCCCGCTGAGGCTCCAGGAGGAGGAGGAGGAGGAGGAGGAG 1680
QY 1681 AGGAGCGGGGAGAACTCCGCGCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
DB 1681 AGGAGCGGGGAGAACTCCGCGCCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1740
QY 1741 TGAAGCGGGGAGTCCGTTGCGGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAG 1800
DB 1741 TGAAGCGGGGAGTCCGTTGCGGCTCCGCGGAGGAGGAGGAGGAGGAGGAGGAG 1800
QY 1801 GTGGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860
DB 1801 GTGGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1860
QY 1861 CACGCGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1920
DB 1861 CACGCGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1920
QY 1921 CTTTGGCGGAGCTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1980
DB 1921 CTTTGGCGGAGCTAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1980
QY 1981 CGCAGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2040
DB 1981 CGCAGAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2040
QY 2041 CCGAGTGCAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2085
DB 2041 CCGAGTGCAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2085

RESULT 2
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12

```

; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183
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Query Match 19.5%; Score 406; DB 13; Length 844;

Best Local Similarity 99.8%; Pred. No. 2e-187; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1207 CTGCTCCAGGAGAGAGACACTTAAGATTGGGCGCGGTGAGCTCATGCC 1266
DB 1 CTGCTCCAGGAGAGAGACACTTAAGATTGGGCGCGGTGAGCTCATGCC 60
QY 1267 CCTGATCCAGCACTTCGGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
DB 61 CCTGATCCAGCACTTCGGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 120
QY 1327 CCAGTCTAGCAACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 1386
DB 121 CCAGTCTAGCAACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 180
QY 1387 TTGTGTGAGGCGCTGTAGTCCAGACTACTCGGAGGCTGAGGAGGAGATGCTGGGC 1446
DB 181 TTGTGTGAGGCGCTGTAGTCCAGACTACTCGGAGGCTGAGGAGGAGATGCTGGGC 240
QY 1447 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGGTGAGAC 1506
DB 241 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGGTGAGAC 300
QY 1507 TCAGTCTCAAAAATAAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 1566
DB 301 TCAGTCTCAAAAATAAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 360
QY 1567 GACTTCTGGGACAGAAATCAAAAGGGGTGGCGCGGTCTCCAAAGACTACTAGCT 1626
DB 361 GACTTCTGGGACAGAAATCAAAAGGGGTGGCGCGGTCTCCAAAGACTACTAGCT 420
QY 1627 CAGCCCAAGCCCGGCTCGGCCCCCAGGGGAGCGGCC 1663
DB 421 CAGCCCAAGCCCGGCTCGGCCCCCAGGGGAGCGGCC 457
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RESULT 3
US-10-027-632-154183

; Sequence 154183, Application US/10027632

; Publication No. US20030204075A9

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

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; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183
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Query Match 19.5%; Score 406; DB 17; Length 844;

Best Local Similarity 99.8%; Pred. No. 2e-187; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1207 CTGCTCCAGGAGAGAGACACTTAAGATTGGGCGCGGTGAGCTCATGCC 1266
DB 1 CTGCTCCAGGAGAGAGACACTTAAGATTGGGCGCGGTGAGCTCATGCC 60
QY 1267 CCTGATCCAGCACTTCGGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
DB 61 CCTGATCCAGCACTTCGGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGTTTGAGA 120
QY 1327 CCAGTCTAGCAACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 1386
DB 121 CCAGTCTAGCAACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 180
QY 1387 TTGTGTGAGGCGCTGTAGTCCAGACTACTCGGAGGCTGAGGAGGAGATGCTGGGC 1446
DB 181 TTGTGTGAGGCGCTGTAGTCCAGACTACTCGGAGGCTGAGGAGGAGATGCTGGGC 240
QY 1447 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGGTGAGAC 1506
DB 241 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGGTGAGAC 300
QY 1507 TCAGTCTCAAAAATAAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 1566
DB 301 TCAGTCTCAAAAATAAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 360
QY 1567 GACTTCTGGGACAGAAATCAAAAGGGGTGGCGCGGTCTCCAAAGACTACTAGCT 1626
DB 361 GACTTCTGGGACAGAAATCAAAAGGGGTGGCGCGGTCTCCAAAGACTACTAGCT 420
QY 1627 CAGCCCAAGCCCGGCTCGGCCCCCAGGGGAGCGGCC 1663
DB 421 CAGCCCAAGCCCGGCTCGGCCCCCAGGGGAGCGGCC 457
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RESULT 4
US-10-283-975A-327

; Sequence 327, Application US/10283975A

; Publication No. US20040110792A1

; GENERAL INFORMATION:

; APPLICANT: Ortho-Clinical Diagnostics, Inc.

; TITLE OF INVENTION: Methods For Assessing and Treating Leukemia

; FILE REFERENCE: CDS 293 PCT

; CURRENT APPLICATION NUMBER: US/10/283,975A

; PRIOR APPLICATION NUMBER: 60/340,938

; PRIOR FILING DATE: 2001-10-30

; PRIOR APPLICATION NUMBER: 60/338,997

; PRIOR FILING DATE: 2001-10-30

; PRIOR APPLICATION NUMBER: 60/340,081

; PRIOR FILING DATE: 2001-10-30

; PRIOR APPLICATION NUMBER: 60/341,012

; PRIOR FILING DATE: 2001-10-30

; NUMBER OF SEQ ID NOS: 900

SOFTWARE: Patentin version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(335)
; OTHER INFORMATION: N=any base
; NAME/KEY: misc feature
; LOCATION: (1)-(335)
; OTHER INFORMATION:
US-10-283-975A-327

Query Match 8.4%; Score 175; DB 18; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 1947
|
DB 46 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 105
|
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 2007
|
DB 106 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 165
|
QY 2008 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 2062
|
DB 166 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 220
|

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineburg, Wendy M.
; APPLICANT: Zlocznik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-2326

Query Match 8.4%; Score 175; DB 18; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 1947
|
DB 129 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 188
|
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 2007
|
DB 189 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 248
|
QY 2008 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 2062
|
DB 249 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 303
|

RESULT 6

US-09-918-995-5037
; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5037
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-5037

Query Match 8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 1947
|
DB 76 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 135
|
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 2007
|
DB 136 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 195
|
QY 2008 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 2062
|
DB 196 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 250
|

RESULT 7
US-09-960-253-117
; Sequence 117, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-117

Query Match 8.4%; Score 175; DB 9; Length 398;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 1947
|
DB 73 GTGTTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTTAGGGAGGATGGC 132
|
QY 1948 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 2007
|
DB 133 GGAGCTTCGGAATAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCCTCTTGCAA 192
|
QY 2008 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 2062
|
DB 193 GAAATGACGAGAGCATCCCAAGAGCTCGCTCCGAGATGGCCATCATGTGTGAG 247
|

RESULT 8

US-09-833-790-349
; Sequence 349, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tonglong
; APPLICANT: Secrist, Heather
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Indirias, Carol Y.
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.512
; CURRENT APPLICATION NUMBER: US/09/833.790
; CURRENT FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 349
; LENGTH: 521
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-790-349

Query Match 8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
DB 52 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 111
QY 1948 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 2007
DB 112 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 171
QY 2008 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 2062
DB 172 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 226

RESULT 9

US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960.253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-107

Query Match 8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
DB 109 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 168
QY 1948 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 2007

DB 169 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 228

QY 2008 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 2062
DB 229 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 283

RESULT 10

US-09-960-253-106
; Sequence 106, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960.253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106

Query Match 8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
DB 124 GTGTTCTAGAGTCGTGCGCTTCGAGCTTCCGAGCTTTGGCGGAGCTAGGGAGATGGC 183
QY 1948 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 2007
DB 184 GAGCTTCGAGTAAGCTTATCGAGTCGAGTACGCCAAGCGCGCGCTCTTGCAA 243
QY 2008 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 2062
DB 244 GAAATGACGAGAGCATCCCAAGAGCATCGCTCCGATGGCCATCATGTGTGCA 298

RESULT 11

US-10-084-817-316
; Sequence 316, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Pilon
; APPLICANT: Jason M. Spohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084.817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 316
; LENGTH: 3686
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CBI
US-10-084-817-316

Query Match 8.4%; Score 175; DB 15; Length 3686;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 1947
DB 116 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 175
QY 1948 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
DB 176 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 235
QY 2008 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 236 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 290

RESULT 12

US-09-864-864-300

/ Sequence 300, Application US/09864864
/ Patent No. US20020102679A1
/ GENERAL INFORMATION:
/ APPLICANT: Xu, Jiangchun
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Dillon, Devin C.
/ APPLICANT: Secrist, Heather
/ APPLICANT: Lodes, Michael J.
/ APPLICANT: Algate, Paul A.
/ APPLICANT: Fling, Steve P.
/ APPLICANT: Mahlon, Jane
/ APPLICANT: Behson, Darin R.
/ APPLICANT: Carter, Patrick
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
/ TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
/ FILE REFERENCE: 210121.523
/ CURRENT APPLICATION NUMBER: US/09/864,864
/ NUMBER FILING DATE: 2001-05-23
/ SOFTWARE: Corixa Invention Disclosure Database
/ SEQ ID NO 300
/ LENGTH: 3859
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-864-864-300

Query Match 8.4%; Score 175; DB 9; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 1947
DB 105 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 164
QY 1948 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
DB 165 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 224
QY 2008 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 225 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 279

RESULT 13

US-10-097-340-3

/ Sequence 3, Application US/10097340
/ Publication No. US20030087250A1
/ GENERAL INFORMATION:
/ APPLICANT: John MONAHAN
/ APPLICANT: Manjula GANNAVARAPU
/ APPLICANT: Sebastian HOESCH
/ APPLICANT: Shubhangi KAWATKAR
/ APPLICANT: Steve G KOVATS
/ APPLICANT: Rachel E. MEYERS

/ APPLICANT: Michael MORRISSEY
/ APPLICANT: Peter OLANDT
/ APPLICANT: Ami SEN
/ APPLICANT: Peter VERIBY
/ APPLICANT: Gordon B. MILLS
/ APPLICANT: Robert C. BAST, Jr.
/ APPLICANT: Karen LU
/ APPLICANT: Rosemarie SCHMANDT
/ APPLICANT: Xumei ZHAO
/ APPLICANT: Karen GLATT

/ TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
/ TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
/ FILE REFERENCE: MRI-030
/ CURRENT APPLICATION NUMBER: US/10/097,340
/ PRIOR FILING DATE: 2002-03-14
/ PRIOR APPLICATION NUMBER: 60/276,025
/ PRIOR FILING DATE: 2001-03-14
/ PRIOR APPLICATION NUMBER: 60/325,149
/ PRIOR FILING DATE: 2001-09-26
/ PRIOR APPLICATION NUMBER: 60/276,026
/ PRIOR FILING DATE: 2001-03-14
/ PRIOR APPLICATION NUMBER: 60/324,967
/ PRIOR FILING DATE: 2001/09/26
/ PRIOR APPLICATION NUMBER: 60/311,732
/ PRIOR FILING DATE: 2001-08-10
/ PRIOR APPLICATION NUMBER: 60/325,102
/ PRIOR FILING DATE: 2001-09-26
/ PRIOR APPLICATION NUMBER: 60/323,580
/ PRIOR FILING DATE: 2001-09-19
/ NUMBER OF SEQ ID NOS: 363
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 3859
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-10-097-340-3

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 1947
DB 105 GTGTTCTAGTGTGCGCTGCGGCTTCCGAGCTTTGGCGGACCTAGAGGAGATGCG 164
QY 1948 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
DB 165 GGAGCTTCCGATTAAGCTCTATCGAGTGCAGTACCCCAAGAGCGGCGGCTCTTGCAA 224
QY 2008 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 2062
DB 225 GAAATGACGAGGAGACATCCCAAGAGCTCGCTCCGATGGCCATCATGTGCGAG 279

RESULT 14

US-10-163-587A-3

/ Sequence 3, Application US/10163587A
/ Publication No. US20030096263A1
/ GENERAL INFORMATION:
/ APPLICANT: Oliveira, Marcos
/ TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
/ FILE REFERENCE: 50229-306
/ CURRENT APPLICATION NUMBER: US/10/163,587A
/ PRIOR FILING DATE: 2003-01-10
/ PRIOR APPLICATION NUMBER: 60/296,110
/ PRIOR FILING DATE: 2001-06-07
/ NUMBER OF SEQ ID NOS: 40
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 3
/ LENGTH: 3859
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:


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; NAME/KEY: CDS
; LOCATION: (160)..(3204)
; OTHER INFORMATION:
US-10-163-587A-3
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Query Match      8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1888 GTGTTTCTAGGTCGTGCGCTGCGGCTTCCGAGCTTTGGCGGCACTTAGGGAGATGCG 1947
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Db       105 GTGTTTCTAGGTCGTGCGCTGCGGCTTCCGAGCTTTGGCGGCACTTAGGGAGATGCG 164
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QY      1948 GGAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTTTGCAA 2007
          |||
Db       165 GGAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTTTGCAA 224
          |||

QY      2008 GAAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCTCGGATGCGCATCATGTGCGAG 2062
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Db       225 GAAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCTCGGATGCGCATCATGTGCGAG 279
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RESULT 15
US-10-334-143-100
; Sequence 100, Application US/10334143
; Publication No. US20040009549A1
; GENERAL INFORMATION:
; APPLICANT: GRIGORIEV, IGOR VYACHESLAVOVICH
; APPLICANT: SUDARSANAM, SUCHA
; TITLE OF INVENTION: METHOD FOR DETECTING REMOTE HOMOLOGUES AND NOVEL
; TITLE OF INVENTION: KINASES IDENTIFIED WITH THE METHOD
; FILE REFERENCE: 038602/1543
; CURRENT APPLICATION NUMBER: US/10/334,143
; CURRENT FILING DATE: 2002-12-31
; PRIOR APPLICATION NUMBER: 60/343,169
; PRIOR FILING DATE: 2001-12-31
; NUMBER OF SEQ ID NOS: 207
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 100
; LENGTH: 3861
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-334-143-100
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Query Match      8.4%; Score 175; DB 17; Length 3861;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1888 GTGTTTCTAGGTCGTGCGCTGCGGCTTCCGAGCTTTGGCGGCACTTAGGGAGATGCG 1947
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          |||

QY      1948 GGAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTTTGCAA 2007
          |||
Db       167 GGAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCGGCGCGCTTTGCAA 226
          |||

QY      2008 GAAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCTCGGATGCGCATCATGTGCGAG 2062
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Db       227 GAAATGCGAGGAGATGCTATCGAGTCGAGTACGCCAAGAGCTCGGATGCGCATCATGTGCGAG 281
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Search completed: February 28, 2005, 10:48:47
Job time : 1121 sec
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2	258	12.4	98439	4	US-09-949-016-13557	Sequence 13597, A
3	228	10.9	105679	4	US-09-949-016-12303	Sequence 12360, A
4	228	10.9	107679	4	US-09-949-016-16230	Sequence 16409, A
5	227.2	10.9	107820	4	US-09-949-016-16409	Sequence 1, Appl11
6	224	10.7	36311	4	US-09-949-016-15714	Sequence 13627, A
7	223.8	10.7	38343	4	US-09-949-016-15714	Sequence 15714, A
8	222.4	10.7	40655	4	US-09-949-016-12032	Sequence 12032, A
9	222.4	10.7	40655	4	US-09-949-016-15919	Sequence 15919, A
10	219.8	10.5	678533	4	US-09-949-016-14577	Sequence 14577, A
11	219.8	10.5	678533	4	US-09-949-016-14578	Sequence 14578, A
12	219.2	10.5	103987	4	US-09-949-016-12513	Sequence 12513, A
13	219.2	10.5	103988	4	US-09-949-016-17050	Sequence 17050, A
14	217.6	10.4	153582	4	US-09-949-016-12086	Sequence 12086, A
15	217.6	10.4	153583	4	US-09-949-016-17380	Sequence 17380, A
16	217.6	10.4	153583	4	US-09-949-016-17381	Sequence 17381, A
17	217	10.4	19451	4	US-09-949-016-13655	Sequence 13695, A
18	217	10.4	40548	4	US-09-949-016-13317	Sequence 13317, A
19	217	10.4	40617	4	US-09-949-016-15137	Sequence 15197, A
20	216.8	10.4	45716	3	US-08-965-048-5	Sequence 5, Appl11
21	216.8	10.2	144596	4	US-09-949-016-11749	Sequence 11749, A
22	212.8	10.2	144596	4	US-09-949-016-13035	Sequence 13035, A
23	212.8	10.2	678533	4	US-09-949-016-14577	Sequence 14577, A
24	212.8	10.2	678533	4	US-09-949-016-14578	Sequence 14578, A
25	212.6	10.2	54033	4	US-09-949-016-12051	Sequence 12091, A
26	212.6	10.2	54033	4	US-09-949-016-14325	Sequence 14325, A
27	210.2	10.1	78720	4	US-09-949-016-12710	Sequence 12710, A

C	28	210.2	10.1	78720	4	US-09-949-016-11288	Sequence 17728, A
C	29	209.2	10.0	42523	4	US-09-949-016-11307	Sequence 17307, A
C	30	208.4	10.0	265038	4	US-09-949-016-15779	Sequence 15779, A
C	31	208.2	10.0	12097	4	US-09-949-016-14494	Sequence 14494, A
C	32	208	10.0	123513	4	US-09-949-016-15794	Sequence 15794, A
C	33	208	10.0	133613	4	US-09-949-016-15824	Sequence 15824, A
C	34	206.4	9.9	278866	4	US-09-949-016-13922	Sequence 13922, A
C	35	206.4	9.9	278866	4	US-09-949-016-13923	Sequence 13923, A
C	36	206.4	9.9	278866	4	US-09-949-016-13924	Sequence 13924, A
C	37	206.4	9.9	278866	4	US-09-949-016-13925	Sequence 13925, A
C	38	206.4	9.9	278866	4	US-09-949-016-13926	Sequence 13926, A
C	39	206.4	9.9	278866	4	US-09-949-016-14699	Sequence 14699, A
C	40	206.4	9.9	278866	4	US-09-949-016-14700	Sequence 14700, A
C	41	206.4	9.9	278866	4	US-09-949-016-14701	Sequence 14701, A
C	42	206.4	9.9	278866	4	US-09-949-016-14702	Sequence 14702, A
C	43	206.4	9.9	278866	4	US-09-949-016-14703	Sequence 14703, A
C	44	206	9.9	14205	4	US-09-949-016-15196	Sequence 16196, A
C	45	205.8	9.9	40548	4	US-09-949-016-13317	Sequence 13317, A

ALIGNMENTS

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RESULT 1
US-09-517-467B-3
; Sequence 3, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cosvert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 3
; LENGTH: 3660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (160) ... (3204)
US-09-517-467B-3

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Query Match 12.5%; Score 261.4; DB 3; Length 3660;

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Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1

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1782 AATCTATCAGGGAACGGCGGTGCGCCGGTGTTCGGTGCGCTCTGCGCCGCTCAGC 184

1 AATCTATCAGGGAACGGCGGTGCGCGGTGTCGGTCTGCGCGCTCAGG 60

1842 CGTGGCGCTGGGTAGCGCACGCGAGCGCGCGAGCGGCAAGCTGTCTTAGGTCG 190

61 CCGTGGGCTGGGTGAGCGCACGCGAGGCGGCGAGGCGGCAAGC--GTGTTCTAGGTCG 118

1902 TGGCGTCGGGCTTCCGGAGCTTTGGCCGGCAGCTAGGGGAGGATGGCGAGTCTTCGGATA 196

119 TGGCGTCGGGCTTCCGGAGCTTTGGCCGCAGCTAGGGGAGGATGGCCGAGTCTTCGGATA 178

1962 AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCTCTTGCAAGAAATGCAGCGAGA 202

179 AGCTCTATCGAGTCGAGTACGCCAAGAGCGGGCGCCCTCTTGCAAGAAATGCAGCGAGA 238

2022 GCATCCCCAAGGACTCGCTCCGGATGGCCATCATGTGTGCAGGTGC 2066

239 GCATCCCCAAGACTCGCTCCGGATGGCCATCATGTCGAGTCCG 283

-09-949-016-13597/c


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? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FastSeq For Windows Version 4.0.0
? SEQ ID NO: 12360
? LENGTH: 105679
? TYPE: DNA
? ORGANISM: Human
? OS-03-949-016-12360

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Query Match	10.9%;	Score 228;	DB 4;	Length 105679;
Best Local Similarity	60.6%;	Pred. No. 7.2e-44;		
Matches 452;	Conservative	0;	Mismatches 275;	Indels 19;
				Gaps 4;

[illegible]

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RESULT 4
US-09-949-016-16409
; Sequence 16409, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

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1  APPLICANT: VENTER, J. Craig et al.
2  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
3  TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
4  FILE REFERENCE: CU001307
5  CURRENT APPLICATION NUMBER: US/09/949,016
6  PRIOR FILING DATE: 2000-04-14
7  PRIOR APPLICATION NUMBER: 60/241,755
8  PRIOR FILING DATE: 2000-10-20
9  PRIOR APPLICATION NUMBER: 60/237,768
10 PRIOR FILING DATE: 2000-10-03
11 PRIOR APPLICATION NUMBER: 60/231,498
12 PRIOR FILING DATE: 2000-09-08
13 NUMBER OF SEQ ID NOS: 207012
14 SOFTWARE: FastSeq for Windows Version 4.0
15 SEQ ID NO 16409
16 LENGTH: 107679
17 TYPE: DNA
18 ORGANISM: Human
19 US-09-949-016-16409

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Query Match	10.9%	Score 228;	DB 4;	Length 107679;
Best Local Similarity	60.6%	Pred. No. 7.2e-44;		
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OY	103	TATATCTGTTACCTTCAAAATACTTTTTTTTTTTTTTTTAGCAGGGTCACACTGC	162
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OY	163	ACCAGAAGTAGAGTCCAGTGGCACATCATATGCGTCCACAGCCTTCACCTTCAAGGCTC	222
Db	96235	ACCAGAAGGTAGAGTGCAGTGGCTCCATCTCAGCTCACTAACCTCCGCTCTGGGTTTC	96294
OY	223	AGGTGATCTCCCACTTACGCTCCCGAATGATGGAGCTAAGGACCTGGCACACACC	282
Db	96295	AAGTGAATCTCCCTGACCTCAGCCTCCCAAGTAGTGGATTAAAGGCATCGCACACAGC	96354
OY	283	CCAGCTAAATTTT-----GTAGACAAGGTTTTGCCATGTTGTCCAGAGCTGCTC	333
Db	96355	CAGCTAAATTTTTGTATTTTTGTGTAGATATGGGGTTTCACAATGTTGGCCAATGTCT	96414
OY	334	TGAATCTCTGGGCTCAAAGGATCCGGCACTCAGCCTCCAAAGTGTAGATTATAG	393
Db	96415	CGATCTCTGACCTCAAGATCCGGCCACTCGGCTCTTAAATGCTGGATTATAG	96474
OY	394	CATGAGCACTGTGCCAGCTCACTTCAACGTATCTAATCGTTACTACTTTAGAT	453
Db	96475	CATGAACACCAAGCCAGCCTGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGT	96534
OY	454	TGGGCTTAGTCTCAACAACCTTCTTGCTATCTCAATCCTGTCTCTTAAGCCACTAGC	513
Db	96535	TTTTAAACAATTAATTAACAATATCTGTGATGGTCACTTTTACCTTAAACACACTCTCC	96594
OY	514	TTCTCTCTATGGTTAAACCTTTTA----TGAGTTTATTCATCTGCTTATTTTCTT	568
Db	96595	TTGTTAATAATGCAACCAATTTTATATCACTGATTTAAATATCAATCCAAAATGTTTG	96654
OY	569	ATCCTCTATACGAATTTGNATATTTTCAATATAAGCACACTCATGTTACATCTTTGA	628
Db	96655	CATTTCTGTTAATACCTTAATATCTCTCTCTTAATGATTTCACTAATATAGCACTCAATA	96714
OY	629	ATGAAA--AAAAAATGECATGATGATTGAAAAGAAACAATTTTAATTAATATATTT	685
Db	96715	TGCTAATTAGTACAAAAAGTGCAATATGTCTGTAAATTCAGCTGTGAAAAATAAAGCA	96774
OY	686	TGAAGTATGTTCTATATTAAACAACAATCTAAGGCCAGGCGAGTGGCTCATGCTGT	745
Db	96775	TAAATGCAATCTTTAATATAAAATATTTGTCGGCGGGGCGGTGCTACGCTGT	96834
OY	746	AATCCAGCAATTTGGGAAGTCGAGGTGGAGATTTCTTGAGGCCAGGGATTCAAGCC	805
Db	96835	AATTCAGACATTTGGGAGGTGAGAGTGGGCAAT--CATGAGTCTAGSAGTTCAAGACC	96892
OY	806	AGCCTGGGCAACATGAGAGATTTCC	831

Db	9140	ACTTACTATTTTCTGTACTCTTGTTCTCTTTTCCCTTTTCAATACTCAATAACT	9081
Qy	533	-----CTTTTATGAGTTTATTAATCTGCTATTTTCTTATCTCTATA	578
Db	9080	GTTTATAGCTAATTTCTTAATCAAAATTTCAATAGATGTGTTTCTGTCTAGAT	9021
Qy	579	CCAGAAATTTGAATTTTCAAT-----AAGCACATCATGTTCATCT	623
Db	9020	CTCATCTTAAAGGTTTTCTAAATGTATTTCTCACTTGGAGAAAAAATACATCAAGTCT	8961
Qy	624	TTTAATATGAAAAAATAATGATAGATTAGAAAAAACAATTTTAAATACTAT	683
Db	8860	TAAAGAAATGCTGATTATGTCTTTGGACAAAAATATTAACAAAGCTGAAATCTTGT	8901
Qy	684	TTT-----GAAGTATAGTTCTATATTAACAACAA-GATCTAGGCCAGGTGACGTGCA	738
Db	8900	TGTACAGAAATCAAGGAAGCTATCAAAAATCAATGGGTCAATGCCAGGCAAGTAGTCTCA	8841
Qy	739	TGCTCTATATCCACAGCAATTTGGGAAGTCAGAGTGGAGAAATTGCTTGAAGCCAGGGTT	798
Db	8840	CGCTCTATATCCACAGCACTTAGGAGGAGGAGGAGGAGGATCTGAAGCCAGAGATT	8781
Qy	799	CAAGACCAAGCTGGGGCAACATGAGAGATTCCCATCTTTCTTTACACACACACAC	858
Db	8780	TGAGAGCTCCCTGGGGAAATACAGTAG-----AAGCTGTTCTCCAAAAAGAAABAG	8728
Qy	859	ACACACACAAAAATATCTGATAGACACAGGTGACATTAACACAAATTTTCAAGTAGTG	918
Db	8727	AAAAAAAATCAATAGTATGTTATGTCCAAAAGAAATACAGAACGCAAAAAAGGACTCCA	8668
Qy	919	ATGAGCTTAAATATTTTTCAGATTATCAACACAACTGTAAACTACATGAAAAAGTCTG	978
Db	8667	TTGA-----CAATAATATGTATCATTTAAGCATCAAAAAGAAATGACTGTATCTGTCTA	8612
Qy	979	TGATGACTATTTGGCCACA-AGTACACAGTACTGTCTAATCTCGTATTTGTAGTAAA	1037
Db	8611	AGGTTTCCAGTACAGATCAAGTAAAGAAAAAGTGTCTTATGCTTTCCGTCTGTCTGATTGT	8552
Qy	1038	TTCAATATMAAGAAATGCTAGGTTTCAGTTGATATTTTGTCCGACGGTCTGTGACGG	1097
Db	8551	GGCAGCTGAGATTAAATGAAAGATACAG-----GG	8521
Qy	1098	CAGGTAGAACGCCCTGTCACAGCCAGAGGGGTGACCTAGCATCTGACAGGCTCCACTGCG	1157
Db	8520	AAACTGGAATTAACCTTGAAAAACGTGAAGAACCTGTCTTACTCGAATAAATCTAATCTTT	8461
Qy	1158	GCCATATCAATATATTTCCCGAGGCGGGGGCTCGCGCTTCCCGGACCCAGCTGACCTCAGG	1217
Db	8460	GAGTCGGAGAGAAAGTTCTGGGAAATAGCCCTTACACCTTACTCTGATGTGATTAACAT	8401
Qy	1218	GGAAGAGACACACTTAAGAGTTTGGGGCGGCGTGTAGCTCAATGCCCTGATCCAG	1277
Db	8400	TGCAAAAGCTTAAAGGT-----GGCAAGGCAAGTGGCTCATGCTGTAAATCCAG	8356
Qy	1278	CACTTCCGGAGGCTGAGGCGTGAAGATCACTTTTAGCAGAGATTGAAACCAAGTACACC	1337
Db	8349	AACGTGTGGAAGCTGAGGCAAGGTGATACAAAG-CTCAGAGATCTGAACACATCTGTGCT	8291
Qy	1338	AACCTTGGGAGAACCCCTGTCCCTTAAAAAAAATTTTTTTTAAATTAGCCAG-----TTGTGT	1393
Db	8290	AACATGTGAAACCCCATCTCTTACTTAAATAATACAAAAAAATTTAGCCAGGCTGTGCTGC	8231
Qy	1394	GAGGCGCTGTATGCCACACTACTCGGAGGCGTGAAGTGGAGAGATCGC-TGGGCTCAGGA	1452
Db	8230	GGAAGCTGTGTGCTCCCACTACTCAGAGGCTGAAGGTGGAGAAATGGCATGAACCCGGGA	8171
Qy	1453	GTTCCAGACTGCAATGAGCCATGATGGCGGCACTGTCACTCCAGCGCG	1500
Db	8170	GCGGAGCTTGCATGAGAACCGAGATTTTGCCACTGTCACTCCAGCTGG	8123

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US-09-949-016-15714
; Sequence 15714, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15714
; LENGTH: 38343
; TYPE: DNA
; ORGANISM: Human
; FEATURES:
; NAME/KEY: misc feature
; LOCATION: (1)...(38343)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15714

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Query Match	10.7%	Score 223.8;	DB 4;	Length 38343;
Best Local Similarity	49.5%	Pred. No. 4.6e-43;		
Matches 361; Conservative	0;	Mismatches 357;	Indels 12;	Gaps 4;

OY	117	TTCCAAATAATCTTTTTTTTTTTTTTTTTTTTGGAGACAGGGCTCACATGTCACCCAGGCTAAGT	176
Db	15541	TTGTAACTTTTTTTTTTTTTTTTTTTTTTGGAGACAGTCTCATTTGTGCCAAGCTGGAGT	15600
OY	177	CCAGTGCACATATCAGGCTGCACACAGGCTCAACTTACAGGCTCAGGTGATCTCCCA	236
Db	15601	GCAGTGCACAACTCAGCTCACTGCAACTGCAACTCTGCTCCGGGTTCAACAAATTTCTCGT	15666
OY	237	CTTCAAGCTCCGAGTAAAGTGGAGCTACAGGCACTGCGCACACCCCAAGTAAATTTTTTG	296
Db	15661	CTCAGCTCTCCGCTGAGCTGAGACTACAGCACCCACACAAAGCTAAGTAAATTTTTTG	15720
OY	297	TA-----GAGACAAGTTTTGCATGTGTGCAGGCTGGCTTGAACCTCTGGGCTC	348
Db	15721	TATTTTATAGTAAGACAGGGTTTACCATGTTGGCAGGCTGGCGTTGAATCTCTGACCTC	15788
OY	349	AAGGATCCGGCACCCTCAGCCTCCCAAGTGTAGATTATAGCATGAGCACTGTGC	408
Db	15781	A--TGATGCACCGGCTCAGGCTCCCAAGTGTAGATTATAGCATGAGCACTGACAC	15838
OY	409	CCAG-CTTACCTTCAACGTATCTAACTGGTACTAACTTTTAGATTCGGCTTAATGTCTC	467
Db	15839	CCGGCCCTAAGTGAATCTTTTCTTTTTTTTTTTTGAAGAGAGTCTGTCTGTCTGC	15898
OY	468	ACAACCTCTTGTGTTA-CTCAACATCTGTCTCTTAAGCACAAGCTCTCTCTATGG	526
Db	15899	CCAGCTGGCGGCATCTCAGCTACTGCAAGCTCCGCTCCNNNNNNNNNNNNNNNNNNNN	15958
OY	527	TTAACTTTTATGAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAAT	586
Db	15959	NN	16018
OY	587	GAATATTTTCAAAATTAAGCACACTATGTTACATTTTGAATGAAAAAAATGCA	646
Db	16019	NN	16078
OY	647	TAGGATTAAGAAAAGAACCAATTTTAACTAATTTTGAAGTATAGTCTATATPA	706
Db	16079	NN	16138
OY	707	ACAACAGATCTAGGCCAGGTGAGTGGCTCATGCTGTAAATCCAGCAATTTGGAGT	766

D _b	16139	NNNNNNNNNNNNNCCAGTGCAGTGCTTCACGCTGTAAATCCCAACATTGGGAGGC	16198
O _y	767	CGAGTGGGAGAATTGCTTAGGCCAAGGGCTTTCAAGACCAGCCTTGGGCAACATGAGAGA	826
D _b	16199	TGAGGCGGCTGAGATCACCTGAGTCCGGAGTTCCAGACCAAGCCTGACCAACATGGAGAAA	16258
O _y	827	TTCCCCATCT	836
D _b	16259	TCCCATCTCT	16268

RESULT 8
US-09-949-016-12032
; Sequence 12032, Application US/09949016
Patent No. 6,013,330

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: GENERAL INFORMATION:
: PATENT NO. 6812339
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: C1001307
: CURRENT APPLICATION NUMBER: US/09/949,016
: CURRENT FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 12032
: LENGTH: 40655
: TYPE: DNA
: ORGANISM: Human
: IS-09-949-016-12032

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Query Match	10.7%;	Score 222.4;	DB 4;	Length 40655;
Best Local Similarity	52.8%;	Pred. No. 1e-42;		
Matches 815;	Conservative	0;	Mismatches 641;	Indels 88; Gaps 12;

QY	90	TCATATTTGCACATATTCCTGTTTAACCTTCAAAAATATCTTTTTTTTTTTTTTTTATAGACA	149
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QY	150	GGGTCACACTGTACCCAGGCTAGATGCCAGTGGCACTATCATGTGCTCACAGAGCTCA	209
Db	16083	GTCCTACTCTGTACCCAGGCTGGAAGAGTGAGTGCTCAATCTCGGGTCACTGAGGCTCC	16142
QY	210	ACCTTAGGGCTCAGGTGATCCTCTCCACTTCACCTCCGAGTAAATGGGACTACAGGCA	269
Db	16143	ACTTCCAGGCTCAAGCAATCTCTCGCTCAGCCTCCGAGTAAAGCTGGGAATTAACGTGG	16202
QY	270	CCTGCACACGCCCCAGGCTAATTTTT-----GTAGACACAAG	306
Db	16203	CCACACACTATGCTGTGCTATTTTTTTTTTTTTTTTGTATTTTATAGTAAAGTCGGG	16262
QY	307	GTTTTGCGATGTTGTCAGGCTGCTCTTGAACCTCTGGGCTCAGAGGATCCGGCACCTC	366
Db	16263	TTTTCAACCATGTTGGTACGCTGCTGTCTCGAACTCTGAACTCAGTAAATCCACCTACTT	16322
QY	367	AGGCTCCCAAAAGTGATGATTTATAGGATGAGGCCACTGCGCCAGGCTTAACTTCAAGT	426
Db	16323	GGGCTCCCAAAAGTGCGGGATTAACAGCATGAGCCACCGGCGGGCTTAA---GAACAT	16378
QY	427	ATCTAACTGGTTACTACTTTTGAATTCGGCCTATGCTCCAAACCTTCTTGCTTAATC	486
Db	16379	TTTTTTATATCAAAACAATATATATGTTAAGAAAA-----CACTTTTGGAAAAAAAAG	16432
QY	487	AAATCTCTGTCTCTTAAGGCACTAGCTTCTCTATAGTTAAACCTTTTATATGATTT	546
Db	16433	AGATCCCAAGATCTTAATCACTAATCATATGATCTTCTGTATTTCTGTGGCTTCCCTC	16492

QY	547	TATTCACCTGCTATTTTCTTACCGCTATACCAAGATGGAATATTTTCAATTAAGA	606
Db	16493	TGACACGTGTACTTTTACTTAACCTT-----TGAAGTATTACAGTACAGA	165411
QY	607	CACCTACGTTACATCTTTGAATGAAAAAAATGCACTTGAGTTAGAAAAGAACCA	666
Db	16542	TATATACAGCTACGCTTGTGCTTTTAACTTAATATAGCATGAT-----	165866

QY 666 ATTTTAAATAACTATATTTTGAAGTAGTCTATATTTAAACAAAGATCTAGGCCAG 726
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 16587 ATTTTCCCTGTCACCTCCCAAGTGTCTGTGCATCATTTTAAACAATTACTAGGCCAAG 16646
 |||||

16647 TACAGTGGCTCACACCTGTAATCCCAACATTGGGAGGCGGAGCAGGCAGATCACTTG 16706

16707 AGGTGAGAGTTGAGAGCCACCTGCCCCAATGGGAAACCCCTATCTTAC----TAA 16761

Db 16762 AATACAAATTTAGCTAGGATGTGGCTGGCCCTGTATATCCAGCTACTGGAGG 16821

Db 16832 CTGAGGCGAGGAATCGCTTGAACCCAGAGGCGAGGTTACAGTAGGCCAAGATCACAC 16881

Ov 963 AACATGAAAACTCTGTGATGACTATATG-----CCCAAAAGTCACAGGTACTGCTAA 1015

Db 16882 CATGTACTCCAGCCTGGGTGACAGACAAATCTCATTTCAACCAATATACAAACAAAC 16941

Qy 1016 TACTCCTGGTATTGTAGTAATTCATATATAAGCAATCTAGGTTTCAGTTGATTTT 1075

Db 16942 AACCAATAAAAATCTAATATCTCTGGAATTAAGATATATGATGTGATGTCATGTTTC 17001

Qy 1076 TGTCTCCGACGGTCTGGACGGCAGGTTAAACGCCCGCTCCAAAGCCAGAGGGTGGACCT 1135

Db 17002 TGTTCATAATATGAAAAAATATGATTGATCTCAAGTCCACCAATTGAGTATTAGT 17061

QY 1136 AGCACTCAGGGTCCACCTCGGGCCATCACTATTATTCGCCGAGGCGGGGCGCTT 1195

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1254 GGTAGCTCATGCCCTTGATCCCGAGCACTTGGGAGGCTGAGCGGTGAAGATCACTTGTG 1313

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QY 1373 TTTTAATAGCCAGTGTGTGTAGGCGCCTGTAGTCCAGCTACTCGGAGGCTAGGTGG 1432

Db 17302 AATTGCTGACCGTGTGTGTGTCATGTGCTTGTATGTCCTCCAGGTCTTCAAGAGGCTTAGGGCAG 17361

QY	1433	GAGGATGCG-TGGGCTCAGGAGTTCCAGACTGCATGAGCCATGATGGCGGCACTGCAC	1491
Db	17362	GAGGATGCTTGAGCCCAAGGAGATTGAGACTGCAGTAAGCCAAAGGTTGCACCACTTGCAC	17421

QY	1492	CCAGCCGG-----GTAGA	CTCAGTCTCAAAAA	TAAAGGGGGAGGGG	TTGGGGGT	1542
Db	17422	TCAGCCTGGGTCACAG	AGTGGAGCCCGCTCT	TAAAAAATGCTAAT	TGTAAAAAAGCA	17481

1543 AAAATTTAGTTGTGAAATCAAGTAAGACCTTCTGGACACAAACAA 1586
 17482 AAAAATTAATTAATAAAATTTAAAGCTTCCAAAGCAGAAGAGAA 17525

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Page 12

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QY	121	AAATATCTTTTTTTTTTTTTTTTTTTGAAGACAGGGTCAACTGTCAACCCAGGCTAAGTCCAG	180
Db	121	AAATATCTTTTTTTTTTTTTTTTTTTGAAGACAGGGTCAACTGTCAACCCAGGCTAAGTCCAG	180
QY	181	TGGCACTATCAATGGGTCAACAAGCTTCAACTTCAAGGGCTCAGAGTATCTCCCACTTC	240
Db	181	TGGCACTATCAATGGGTCAACAAGCTTCAACTTCAAGGGCTCAGAGTATCTCCCACTTC	240
QY	241	AGCCTCCGAGTAAATGGAGCTAAGGCAAGCACTGCAACCAACCCCAAGCTAAATTTTGTAGA	300
Db	241	AGCCTCCGAGTAAATGGAGCTAAGGCAAGCACTGCAACCAACCCCAAGCTAAATTTTGTAGA	300
QY	301	GACAAAGTTTTGGCAATGTTGTCCAGGGCTGGTCTTGAATCTCCGAGCTCAAGGATCCGGC	360
Db	301	GACAAAGTTTTGGCAATGTTGTCCAGGGCTGGTCTTGAATCTCCGAGCTCAAGGATCCGGC	360
QY	361	CACCTCAGCCCTCCAAAGTGTAGGATTAATAGGCAATGAGCCACTGTGCCAGCCCTACCTT	420
Db	361	CACCTCAGCCCTCCAAAGTGTAGGATTAATAGGCAATGAGCCACTGTGCCAGCCCTACCTT	420
QY	421	CAAGCTATCTAATCTGGTACTTAACCTTTAAGGATTCGGCTATGTCGTAACAACCTCTTGC	480
Db	421	CAAGCTATCTAATCTGGTACTTAACCTTTAAGGATTCGGCTATGTCGTAACAACCTCTTGC	480
QY	481	TTACTCAACATCTCTGTCTCTTAAGCCACTAGCTTCTCTATGTTAATGTTAATCACTTTTAT	540
Db	481	TTACTCAACATCTCTGTCTCTTAAGCCACTAGCTTCTCTATGTTAATGTTAATCACTTTTAT	540
QY	541	GAGTTTTATCATCTGCTTATTTTTCTTATCTCTATATCCGAATTGAATTTTTCAAAT	600
Db	541	GAGTTTTATCATCTGCTTATTTTTCTTATCTCTATATCCGAATTGAATTTTTCAAAT	600
QY	601	AAAGCACTCATGTTTAAACAATCTTTGAATGGAAAAAATAATGCATAGATTGAAAG	660
Db	601	AAAGCACTCATGTTTAAACAATCTTTGAATGGAAAAAATAATGCATAGATTGAAAG	660
QY	661	AAACCAATTTAATAAATACTATATTTTGAAGTATGTTCTATATTAACAACAATCTAG	720
Db	661	AAACCAATTTAATAAATACTATATTTTGAAGTATGTTCTATATTAACAACAATCTAG	720
QY	721	GCCAGGTGCAAGGGCTCAATGCTGTAAATCCAGCAATTTGGGAAATCGAGGTGGGAGAT	780
Db	721	GCCAGGTGCAAGGGCTCAATGCTGTAAATCCAGCAATTTGGGAAATCGAGGTGGGAGAT	780
QY	781	TGCTTGAAGGCCAGGGGTTCAAGACCAGCTGGGCAACATGAGAGATTTCCCATCTCTTT	840
Db	781	TGCTTGAAGGCCAGGGGTTCAAGACCAGCTGGGCAACATGAGAGATTTCCCATCTCTTT	840
QY	841	CTTTTAC	900
Db	841	CTTTTAC	900
QY	901	CCACAATTTCCAGTGTGATGAGCTTAATATATTTCCAGTTATCACCACACATCTGAAA	960
Db	901	CCACAATTTCCAGTGTGATGAGCTTAATATATTTCCAGTTATCACCACACATCTGAAA	960
QY	961	CTAACATGAAAACGTCGTGTGATGACTATATGCCCCAAGTCAAGAGTCTGTAAATCTC	1020
Db	961	CTAACATGAAAACGTCGTGTGATGACTATATGCCCCAAGTCAAGAGTCTGTAAATCTC	1020
QY	1021	CTGTATTTTGTATTAATCATATTAAGAAGAAATCTAGGTTTCAGTTGATTTTGTCC	1080
Db	1021	CTGTATTTTGTATTAATCATATTAAGAAGAAATCTAGGTTTCAGTTGATTTTGTCC	1080
QY	1081	CGACGGTCTGTGACGGCAGGTTTGAACGCCCTGTCAAAGCCAGAGGGTGAACCTAGAC	1140
Db	1081	CGACGGTCTGTGACGGCAGGTTTGAACGCCCTGTCAAAGCCAGAGGGTGAACCTAGAC	1140
QY	1141	TGAGGGTCCACTCGGGGCCAATCAATATTTCCGAGGCGGGGCTCTGGCTTCCCGG	1200
Db	1141	TGAGGGTCCACTCGGGGCCAATCAATATTTCCGAGGCGGGGCTCTGGCTTCCCGG	1200
QY	1201	ACCCAGCTCCCTCAAGGGAGAGAGACACACTTAAAGTTTGGGGCCGGCGTGGTAGCT	1260

Db	1201	ACCCAGCTGCCCTCAGGGGAGAGAGCA	CACCTTAAGATTGGGGCGCGGCGTGGTAGCT	1260
Qy	1261	CATGCCCTTGATCCCAAGACTTTGGGGAGGCTGAAGGCTGAAGATCACTTGTAGAGGAAGT		1320
Db	1261	CATGCCCTTGATCCCAAGACTTTGGGGAGGCTGAAGGCTGAAGATCACTTGTAGAGGAAGT		1320
Qy	1321	TTGAGACCAAGCTAAGCCAACTTGGCGAGACCCCTGTCCCTTAAAAAAATTTTTTTTTTAAT		1380
Db	1321	TTGAGACCAAGCTAAGCCAACTTGGCGAGACCCCTGTCCCTTAAAAAAATTTTTTTTTTAAT		1380
Qy	1381	AGCCAGTTGTGTGAGCGCGCTGTATGATGCCAGCTACTTGGAGGCTTGAGGTGGAGGAATCG		1440
Db	1381	AGCCAGTTGTGTGAGCGCGCTGTATGATGCCAGCTACTTGGAGGCTTGAGGTGGAGGAATCG		1440
Qy	1441	CTGGGCTCAGGAGTTCCAGACTGCAAGTGAAGCATGATATGCGGCGCACTCACTCCAGCGCG		1500
Db	1441	CTGGGCTCAGGAGTTCCAGACTGCAAGTGAAGCATGATATGCGGCGCACTCACTCCAGCGCG		1500
Qy	1501	TGAGACTCAGTCTCAAAAATTAAGAGGGGAGGGGTTG3GGGTTAAATTTAGTTGTGAATC		1560
Db	1501	TGAGACTCAGTCTCAAAAATTAAGAGGGGAGGGGTTG3GGGTTAAATTTAGTTGTGAATC		1560
Qy	1561	AAGTAAAGCTTCTCTGGGACAGAAACAACTAAAGGGGTGCGCCGGGTCTCCAAAGAGCTA		1620
Db	1561	AAGTAAAGCTTCTCTGGGACAGAAACAACTAAAGGGGTGCGCCGGGTCTCCAAAGAGCTA		1620
Qy	1621	CTAGCTCAGCCCAAGCCCCGCTTGCGGCCCCAGGGCAGCGGCTCGCAGAGCTCCACCCGCG		1680
Db	1621	CTAGCTCAGCCCAAGCCCCGCTTGCGGCCCCAGGGCAGCGGCTCGCAGAGCTCCACCCGCG		1680
Qy	1681	AGGCGCCCGGAGAACTCGCCCCCGCTCGGCAAGGCGCGCGCCGCGCGCCCGCGCGCG		1740
Db	1681	AGGCGCCCGGAGAACTCGCCCCCGCTCGGCAAGGCGCGCGCCGCGCGCCCGCGCGCG		1740
Qy	1741	TGAGACGCGGTTCCGTTGCGTGGCGTTCGCGCGGCGCAGGCAATCAAGCAATCTAAGGAGAACGCG		1800
Db	1741	TGAGACGCGGTTCCGTTGCGTGGCGTTCGCGCGGCGCAGGCAATCAAGCAATCTAAGGAGAACGCG		1800
Qy	1801	GTGCGCGGTGCGCGGTGTTCCGTGCGTCTTGCGCGCTCAAGCCGTGCGCGGCTGGGTGAAGCG		1860
Db	1801	GTGCGCGGTGCGCGGTGTTCCGTGCGTCTTGCGCGCTCAAGCCGTGCGCGGCTGGGTGAAGCG		1860
Qy	1861	CACGCGAAGCGCGGCGAGGCGGAGCGAGCGTGTGTTCTAAGTCTGTGCGGTGCGGCTTCCGAG		1920
Db	1861	CACGCGAAGCGCGGCGAGGCGGAGCGAGCGTGTGTTCTAAGTCTGTGCGGTGCGGCTTCCGAG		1920
Qy	1921	CTTTGGCGGAGCTAAGGAGAGATGCGCGAGTCTTCCGATTAAGCTTATTCAGTTCGAGTA		1980
Db	1921	CTTTGGCGGAGCTAAGGAGAGATGCGCGAGTCTTCCGATTAAGCTTATTCAGTTCGAGTA		1980
Qy	1981	CGCCAAAGCGCGGCGCGCTTCTTGGAATAATTCAGCGAGCAATCCCAAGAGACTGCT		2040
Db	1981	CGCCAAAGCGCGGCGCGCTTCTTGGAATAATTCAGCGAGCAATCCCAAGAGACTGCT		2040
Qy	2041	CCGAGTGGCATCATGTGTGACAGTTCGCGGCGCTGTGTGCGCGCGG		2085
Db	2041	CCGAGTGGCATCATGTGTGACAGTTCGCGGCGCTGTGTGCGCGCGG		2085
RESULT 2				
US-10-239-676-1				
Sequence 1, Application US/10239676				
Publication No. US20030082609A1				
GENERAL INFORMATION:				
APPLICANT: OLEK, Alexander				
APPLICANT: PIEMENBROCK, Christian				
APPLICANT: BERLIN, Kurt				
TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation				
FILE REFERENCE: 5013.1003				
CURRENT APPLICATION NUMBER: US/10/239,676				
CURRENT FILING DATE: 2002-09-24				
PRIOR APPLICATION NUMBER: PCT/EP01/03968				

DE 10019058.8
DE 10019173.8
DE 10032529.7
DE 10043826.1
PRIOR FILING DATE: 2001-04-06
2000-04-06
2000-04-07
2000-06-30
2000-09-01
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 1
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-1

Query Match 58.7%; Score 1223.6; DB 14; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.2e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

QY 1 TTAGGAGATATAGTGTCAACCCAGAGATGAGCATGATGCTTTGACTGTGCTCA 60
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QY 61 TTGCTTAAGTAACTTTATTTGTTCCATCATTTTCCACTTTATTTCTTCACTTCA 120
DB 3176 TTTTAAAGTAAATTTTATTTGTTTATTTATTTTATTTTATTTTATTTTATTTT 3235
QY 121 AAATATCTTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 180
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QY 181 TGACATCATGAGCTCACCACAGCTCAACCTTCAAGGCTCAGTATCTCCACTTC 240
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QY 241 AGCTCCGAGTATGAGCTACAGGCTCAGGCTCAGGCTCAGGCTCAGGCTCAGGCTC 300
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QY 841 CT-----TACACACACACACACACACACACACAAATATCTGATAGCAACAGTGCAG 894
DB 3953 TTTTAT 4012
QY 895 TCATTACCAATTTGAGTATGATGAGCTTATATATATTTTGAAGTATACCAACAC 954
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QY 955 TGTAACTAACAAGAAACGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1014
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DB 4432 TAGAGTTTGAAGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 4491
QY 1374 TTTAATTTGACAGTTTGTGAGAGCTGATGATGATGATGATGATGATGATGATGATGATGAT 1433
DB 4492 TTTAATTTGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 4551
QY 1434 AGGATCGTGGCTCAGAGTTTCAAGCTGACATGATGATGATGATGATGATGATGATGATGAT 1493
DB 4552 AGGATCGTGGCTTGAAGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 4611
QY 1494 AGCGCGTGAAGTCTCAGTCTCAAAATTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1553
DB 4612 AGCGCGTGAAGTCTTGAATTTTAAATTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4671
QY 1554 TGAATCAAGTATGAGCTTCTGAGAGAGCAATCAAGAGGAGGAGGAGGAGGAGGAGGAGGAG 1613
DB 4672 TGAATTTAAGTATGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 4731
QY 1614 AGAGTATAGTCAAGCCCAAGCCCGCTCGGCCCCCAAGGAGGAGGAGGAGGAGGAGGAGGAG 1673
DB 4732 AGAGTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 4790
QY 1674 ACCCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1732
DB 4791 ATTCCGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4850
QY 1733 CCGCCCGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1791
DB 4851 TCGTTTCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4910
QY 1792 GGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1849
DB 4911 GGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 4970


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Db      4552  AGAGTCGTTGGGTTTAGAGATTGTAATTTGTAAGTAAATGATGACGGTAAATTTGTAATTT 4611
Oy      1494  AGCGCGGTGAGATCTCAGTCTCAAAAATAAAGGGGAGGGGTGGGGGTAAATTAATTTG 1553
Db      4612  AGCGCGGTGAGATTAGTTTAATTAATAAATAAAGGGGAGGGGTGGGGGTAAATTAATTTG 4671
Oy      1554  TGAATTCAGTAAGTACCTTCCTGGGACAGAACATTAAGGGGTGGCGCGGGTCTCTCAA 1613
Db      4672  TGAATTAAGTAAGTATTTTGTGGGTAAATAATTAATAAGGGGTGGCGCTGGGTTTTTTAA 4731
Oy      1614  AGAGCTACTAGTGTCAAGCCCAAGCCCGCTGGGCCCAAGGAGACGGGCGCAGAGCTCC 1673
Db      4732  AGAGTTATTAGTTTAAGTTTAAGTTTTCGTTTGGTTTTTA-GGTACGGTCTGTAAGTTTT 4790
Oy      1674  ACCGGGACGAGCGCCCGGGAAAATCCGCCCGCCCGGACGAGGCGCGCGC-CCGCGGCGC 1732
Db      4791  ATTGGTATGAGGGTTTCGGGAAATTTTCGTTTTTCGTCGGTAAAGGGGCGCGCTCGTGGTT 4850
Oy      1733  CGCCCGCTGAGACCGGGGTTCCTG-GGCGTTCGCGGGCCAGGATCAGCAATCTATCAG 1791
Db      4851  TCGTTTCGTGACCGGGGTTTCGTGGCGTTTTTCGCGGTAGTAATTAATTAATTAAG 4910
Oy      1792  GGAACGGGGGTGGCGCGGTCGGCGGCTGTTGCGT--CGTCTGGCGGCTCACCCTGGGG 1849
Db      4911  GGAACGGGGGTGGTCGTGGCGGCGGCTGTTGCGGCGGTTTTGTCGTTTAAGAGTTGGCG 4970
Oy      1850  CTGGGTGACGACGACGCGAGGCGGCGAGGCGCAAGCGTGTCTTCTAAGTCTGAGCGTCG 1909
Db      4971  TTGGGTAGAGCTTAACGCAAGGCGGCGGCGGCTA---GGTGTTTTTAGTCTGAGCGTCG 5027
Oy      1910  GCGTTCGCGAGCTTTGGCGGCACTAAGGGAAGATGGCGGAGTCTTCGGATTAAGCTTAT 1969
Db      5028  GGTTCGGAATTTTGGCGGTAGTTAAGGGAGATGGCGGAGTTTCGGATTAAGTTAT 5087
Oy      1970  CGAGTCGAGTACGCCAAGAGGGGCGCGCTCTTGCAAGAAATGACGAGAACATCCCC 2029
Db      5088  CGAGTCGAGTACGTTAAGAGGCGGCGCTTTTTTGTAAAGAAATGAGGAGAAATATTTT 5147
Oy      2030  AAGACTGCTCCGAGTGCATCATGATGTCAGAGTGGCGGCGCGCTGTGCGCGGGG 2085
Db      5148  AAGACTTCGTTCCGATGTTTATGATGATGATGCGGGTGTGTGGCGGCGCG 5203

RESULT 4
US-10-240-453-1
; Sequence 1, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-1

Query Match      58.7%; Score 123.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.2e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

QY      1      TTTAGGGATGATATATAGTGTCAACCCAGAGATGGCATGATGACCTTTTGACTGTGTCA 60
Db       3116    TTTAGGGATGATATAGTGTGTTAATTATGAGATGGTATGATTAAGTTTGGATTGGTTA 3175

QY      61      TTCTCTAAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATTCTGTTTACCTTCA 120
Db       3176    TTTTAAAGTAAAAATTTTATTTGTTTAAATTAATTTTAAATTTTAAATTTTGTATTTTAA 3235

QY      121     AAATATCTTTTTTTTTTTTTTTTTGAGACAGGGTCACATGTCACCCAGGCTAGAGTCCAG 180
Db       3236    AAATA--TTTTTTTTTTTTTTTTGAGATAGGGTTATATTTGTTATTTAGGTTAGAGTTTAC 3293

QY      181     TGGCATATCATGCGCTCACACAGCCCTCAACTTCAGGGCTCAGTGATCCTCCACTTC 240
Db       3294    TGGTATATATATGGTTATATATAGTTTAAATTTTAAAGGTTTAGGTGATTTTTTATTTT 3353

QY      241     AGCCTCCCGATGATATGGGACTACAGGCACTGCGACACACCCCACTAATTTTGTAGA 300
Db       3354    AGTTTTCGAGATGATGGGATTTATATAGGATTTTGTATATTTTAAATTTTAAATTTTGTAGA 3413

QY      301     GACAAAGTTTTTGGCATATGTTCCAGGCTGGTCTTGAATCTCGGGCTCAAGGATCCGGC 360
Db       3414    GATTAAGTTTTGTTATCTGTTATGTTTAGGTTGGTTTGAATTTTGGGTTTAAAGGATTCGT 3473

QY      361     CACCTAGCCTCCCAAAAGTCTATAGATTAATATGATGAGCCATCTGCCCCACTTACTT 420
Db       3474    TATTTTATGTTTTTAAAGTGTAGGATTAATAGGATATAGTTATGTTATGTTTATTTT 3533

QY      421     CAAGTATCTATACGTGTTACTTAATTGAGATTTGGCCATATGTCACAACTCTGTGC 480
Db       3534    TAAAGTATTTAATTTGGTATTTAAATTTTAAAGATTCGGTTATGTTTATATATTTTGT 3593

QY      481     TTACTCAACATCCCTGTCTCTTAAGCCACATAGCTTCTCTATATGTTAAACATTTTAT 540
Db       3594    TTAATTAATATTTTGTGTTTTTAAGTATTAAGTTTTTTTTTATGTTAATATTTTAT 3653

QY      541     GAGTTTATTCATCTGCTTATTTTCTTATCTCTATACAGAAATGATATTTTCAAT 600
Db       3654    GAGTTTATTTATTTTGTGTTTTTTTTTTTATTTTAAATTAAGAAATTTTATTTTAAAT 3713

QY      601     AAAGCACTCATGTTATCATCTTGTAATGGAATAAAGAAAAAATGCAATGGAATTAGAAAG 660
Db       3714    AAAGTATATTTATGTTATATTTTGAAT--GAAAAAATAAGTATAGGATTTAGAAAG 3772

QY      661     AAACCAATTTTAAATTAACATATATTTTGAAGTATAGTCTATATTTAAACAACAATCTAG 720
Db       3773    AAATTAATTTTAAATTAATTAATTTTGAAGTATAGTCTATATTTAAATTAATTAAGATTAG 3832

QY      721     GCCAGGTGCAATGGCTCATGCTCTGTAATCCAGCAATTTGGGAATGTCAGAGTGGAGAT 780
Db       3833    GTTAGGTGATGATGGTTATCTTTGTATATTTTAAATTTGGGAATGTCAGAGTGGAGAT 3892

QY      781     TGCCTGAGGCGCAGGGGTTAAAGACAGGCTGGGGACATGAGGAGATCCCAATCTCTT 840
Db       3893    TGTTTAGGTTAGGGGTTTAAAGATTAAGTTGTTGGTAAATATGGAAGATTTTTTATTTT 3952

QY      841     CTT-----TACACACACACACACACACACAAATATCTGATAGCAACAGGTGCAG 894
Db       3953    TTTTATATATATATATATATATATATATATATATATATATATATATATATATATATAT 4012

QY      895     TCAATTACCAAAATTTGAGATGATGAGAGTTAATTAATTTGAGATTATACCAACAAC 954
Db       4013    TTAATTAATTAATTTGAGATGATGAGAGTTAATTAATATTTTGAAGTTATTTAATTAAT 4072

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OY	955	TCGTAACCTAACATGAAAAAGCTCTGATGATCATTTGCCACAAGATCACAGTACTGCTA	1014
Db	4073	TCGTAAGTAATATGAAAAAGCTTTGGATGATTAATTTATTAAGATTATAGATATGTGA	4132
OY	1015	ATATCTCTGGATTTTGTAG-TAATTCATTAATTAAGAAAAATGCTAGTTCAGTTGGAT	1073
Db	4133	AATATTTTGGTATTTTGTATGTTAAATTATTAATAAAGAAAGTTAGTTTATAGTTGGAT	4192
OY	1074	TTTGTCCCGACGGTCTGTGGACGGCAGGTTAGAACGCCCTGCCAACCCAGAGGGGTGGAC	1133
Db	4193	TTTGTTCGACCGGTTTGGAGCGTATGGTTAGAAAGTTCGTTTAAGTTAGAGGGTGGAT	4252
OY	1134	CTAGACTGACAGGGTCCACTCGGGCCATCAATCAATATTCCTCCAGAGCGGGGCGTGGC	1193
Db	4253	TTAGATTTGTAGGGTTTATTTCCGGTTATTAATTAATTAATTTCCAGCGGGGG-TTGGGT	4311
OY	1194	TTTCGCGAACCCAGCTGCCCTCAGAGGGAGAGAGACACTTAAGATTTGGGGCGCGGT	1253
Db	4312	TTTTCGGAATTAAGTTGTTTATTAAGGGAGAGAGGATATTTTAAGAGTTTGGGGTGGGT	4371
OY	1254	GGTGGCTATGGCCCTGATATCCAGACTTCGCGAGGCTGAGGGCTGAAGATCACTTGTAG	1313
Db	4372	GGTATATATGTTTATTTGATTTTATTTAGTATTTCCGAGGTTGAGCGGTGAAGATTAATTTGTAG	4431
OY	1314	CAGAGTTTGAACACAGCTCTAGCCAACTTGGCCGAGACCCCTGCTCCATAAAAAATTTT	1373
Db	4432	TAGAGGTTTGAAGTTAGTTAGTTAGTTAATTTTGGCGAGATTTGTCTTTTAAAAAAATTTT	4491
OY	1374	TTTAATTTGCCAGTTGTGTGTAGCGCCGTATGTCCAGCTACTCGGAGGCTGAGGTGG	1433
Db	4492	TTTAATTAAGTATGTTGTGTGTAGCGGTTGTATGTTTAATTCGAGAGGTTGAGGTGG	4551
OY	1434	AGCATCGCTGGGCTCAGAGTTTCCAGACTGACATGACATGAGCGGCGACTGCATCTCC	1493
Db	4552	AGGATCGTTGGGTTTAGGAGTTTAAGTTGATGATGATGATGATGCGCGTATTTGATTT	4611
OY	1494	AGCGCGGTGAACCTCATGCTCAAAAATTAAGGGGAGGGGTTGGGGGTAAATTAATTG	1553
Db	4612	AGCGCGGTGAATTTAGTTTAAAAATTAAGGGGAGGGGTTGGGGGTAAATTAATTG	4671
OY	1554	TGAATCAAGTAAGCTCTCTGGGACAGAAATCAAAAGGGGTGGGCGCGGGTCTCCCA	1613
Db	4672	TGAATTAAGTAAGTTTTTTGGATAGAAATTAATAAGGGGTGGCGTCCGGTTTATTA	4731
OY	1614	AGAGCTACTAGCTAGAGCCCAAGCCCGCTCGGCCCCACAGGCGACGCGCGCAGAGCTCC	1673
Db	4732	AGAGTTATTAAGTTAGTTAGTTAGTTTCGTTTCGTTTGA-GGTAGCGGTGTAGAGTTT	4790
OY	1674	ACCGGGCAGGGCGCCGGGAAATCTCGCCCCCGGGCGGGAGGGGCGCGC-CGCGCGGCC	1732
Db	4791	ATTGCGTAGGGGTTTCGGGAAATTTTCGTTTTCGGTCTGAGGGGCGCGGTGTCTCGTT	4850
OY	1733	CGGCCCGGTGACCGCGGGTTCCGT-GGCCTGTCCCGCGGCGAGGATCAGCAATCTATCAG	1791
Db	4851	TCGTTTGTGTGACCGCGGGTTTCGTGGGCGTTTCGCGGTTAGGATTAAGTAATTAATAG	4910
OY	1792	GGAACCGCGGTGCGCGGTGCGCGGTGTTCCGTG--CGCTTCGCGCTACCGGTGGCG	1849
Db	4911	GGAACCGCGGTGTGCGGTGCGCGGTGTTCCGTGCGGTTCGTTTAAGATTTGGCG	4970
OY	1850	CTGGGTAGAGCGCAGCAGAGCGCGGAGCGGCAAGCTGTGTTCTTAGAGTCTGTGGGTGG	1909
Db	4971	TTGGGTAGAGCTACGACAGCGCGCGAGCGGTG---CGTGTGTTTAGTCTGTGGGCGTGG	5027
OY	1910	GGCTTCCGAGACTTTGGCGGCACTAGGGGAGATGGCGGAGTCTTCGATTAAGCTCTAT	1969
Db	5028	GGTTTTCGAGATTTTGGCGGTAGTTTAAAGGAGATGCGAGTTTTCGATTAAGTTTAT	5087
OY	1970	CGAATCGAGTAACGCAAGAGCGCGCGCGCTCTTGCAGAAATATGACGACGACATCCCC	2029
Db	5088	CGAATCGAGTAACGTTAAAGCGGGCGGTTTTTGTAAAGAAATGTAGCGAGATTAATTTT	5147
OY	2030	AAGACTCGCTCCGATGACCATCATGATCAGGTGCGGCGCCTGTGCGGCGGG	2085

[illegible]

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Db 3594 TTAATTAATATTTTGTGTTTAAAGTATAGTTTGTGTTTAAATGTTTATATTTTAT 3653
Qy 541 GAGTTTATTCATCTGCTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTTATTTATTAATTTTAAAT 3713
Qy 601 AAAGCAGACTCATGTTCAATCTTTGAAATGAAAAAATGCAATGATAGAAAG 660
Db 3714 AAAGTATTTTATTTTATTTTAAATTTTGAAT-GAAAAAATGATAGATAGAAAG 3772
Qy 661 AAACCAATTTTAAATACTATTTTGAAGTATAGTTCTATATTTAAACAAGATCTAG 720
Db 3773 AAATTAATTTTAAATTAATTTTGAAGTATAGTTTATTAATTAATTAATTTAG 3832
Qy 721 GCCAGGTGAGTGGCTCATGCTCTGTAATCCAGCAATTTGGAAAGTGGAGTGGAGAT 780
Db 3833 GTTAGGTGATGGTGTATGTGTATTTTATTTAGTAAATTTGGAAAGTCAGAGTGGAGAT 3892
Qy 781 TGCCTGAGCCAGGGGTTCAAGACCAAGCTGGGCAATGAGAGATTTCCCATCTCTT 840
Db 3893 TGTTTAGGTTAGGGGTTTAAATTTAGTTTGGTAAATGAGAGATTTTATTTT 3952
Qy 841 CTT-----TACACACACACACACACACACAAATATCTGATGCAACAGTGCAG 894
Db 3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATAT 4012
Qy 895 TCATTAACCAATTTGAGTAGTAGTAGAGCTTAATAATTTTGAATATCACCAAC 954
Db 4013 TTTTATTTTAAATTTGAGTAGTAGTAGATTAATATATTTGAGATTTATTAATAT 4072
Qy 955 TGTAACCTAACAGAAAGCTCTGTATGATGCTATTTGCCCAAGATGCAAGTACGCTA 1014
Db 4073 TGTAAGTATATATGAAACGTTGTGATGATTTGTTTAAAGTATAGGATTTGTA 4132
Qy 1015 ATACTCTGCTATTTTAG-TAAATTCATATTAAGAAATGCTAGGTTCACTGGTAT 1073
Db 4133 ATATTTTGTATTTTGTAGTTAATTTAATAAAGAAATGTTAGTTTATTTAGTGTAT 4192
Qy 1074 TTTTGTCCGACGGTCTGTGAGCGAGGTAAACCGCGCTCAAGCCAGAGGCTGAG 1133
Db 4193 TTTTGTTCGACGGTCTGTGAGCGGTAGTAAACGTTCTTAAAGTAAAGGCTGAG 4252
Qy 1134 CTAGCACTGAGGGTCCACTCGGGCCAATCACTAATTTCCGAGCGGGGCTGCGC 1193
Db 4253 TTAGTATTTGAGGTTTATTTGAGGTTAATTAATTTTGAAGCGGGG-TTCGCT 4311
Qy 1194 TTCCCGAGCCAGCTGCTCAGGGGAGAGAGACACTTAAGATTTGGGCGCGCT 1253
Db 4312 TTTTCGATTTTATTTGTTTAAAGGAGAGATATTTAAAGATTTGGGCTCGCGT 4371
Qy 1254 GGTAGCTCATGCCCTGATCCAGCACTTGGAGGCTGAGGCTGAAATCATTTGTAG 1313
Db 4372 GGTAGTATATGTTTGTGATTTTGTATTTGCGGAGGTTGAGCGTGAAGTATTTGTAG 4431
Qy 1314 CAGGATTTGAGACCACTAGCCACTTGGCGAGACCTGCTCCCTTAAAAATTTT 1373
Db 4432 TAGGAGTTTGAAGTATGTTTATTTTGAATTTTGGCGAATTTGTTTAAAAAATTTT 4491
Qy 1374 TTTTAAATGACCAATTTGAGTACGCTGATCCAGTACTCGGAGGCTGAGGTGG 1433
Db 4492 TTTTAAATGATTTGTTGTTGAGCGCTTTGTAGTTTAAAGTATTTGAGGTGG 4551
Qy 1434 AGGATCGTGGGCTCAGAGATTCAGACTGAGCCAGTGAATGAGCGGCACTGCACTCC 1493
Db 4552 AGGATCGTGGGTTTGAAGTATTTTGAATTTGATGATTTGATGATTTGATTTT 4611
Qy 1494 AGGCGGTGAGTCACTCAATTAATAAAGGGGAGGGGTTGGGGTTAAATTTGTTG 1553
Db 4612 AGGCGGTGAGTATTTGTTTAAATTAATAAAGGGGAGGGGTTGGGGTTAAATTTGTTG 4671
Qy 1554 TGAATCAAGTAAAGCTTCTGGGAGCAAGCAATCAAAAGGGTGGCGCGCTCCCA 1613
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Db 4672 TGAATTAAGTAAAGTATTTTGGGATAGAAATAATTAAGGGGTGGCGCTGTTTAA 4731
Qy 1614 AGAGTACTAGCTACAGCCAGCCCGCTCGGCCCCAGAGGAGAGCGGCGAGAGTCC 1673
Db 4732 AGAGTATTAAGTATTTAATTTTAAAGTGTTCGTTTAA-GGTAGCGGTGTAGAGTTT 4790
Qy 1674 ACCGGCAGGCGCGCGGAAACTCCGCCCGCGCGGCGAGGCGCGC-CCGCGGCC 1732
Db 4791 ATTCGTAAGCGCTTGGGAAATTTCTTTTTCGCTGCTGTAAGGGGCGCGCTGCTGTT 4850
Qy 1733 CGGCCCGTGAAGCGCGGTTCCGT-GGCTTCCCGCGCCAGGCATCAAGCATCTATCAG 1791
Db 4851 TCGTTTCTGTAAGCGCGGTTTCTGCGGCTTTTCCGGTATAGATTAATTTATAG 4910
Qy 1792 GGAACGGCGGTGGCGGTGCGGTGCTTGGG--CGCTGCGCTCAGCGGTGGCGG 1849
Db 4911 GGAACGGCGGTGCTGCTGCGGTGCTGCTGCGGTGCTGCTTAAAGTGGCGG 4970
Qy 1850 CTGGTGAAGCGACGCGGAGCGCGGCGAGCGGCAAGCGTGTCTAGGCTGAGCGTGG 1909
Db 4971 TTGGTGAAGCGTACGCGAGCGCGCGAGCGGTA--GCTGTTTAAAGTCTGAGCTG 5027
Qy 1910 GGCTTCGAGCTTTTGGCGGAGCTAGGGAGAGATGCGAGTCTTCCGATTAAGCTTAT 1969
Db 5028 GGTTCGAGTTCGCGGTGTTAGGGAGAGATGCGGAGTTCGATTAAGTTCAT 5087
Qy 1970 CGAGTGAAGTACCGCAAGCGCGCGCTCTTCAAGAAATGACGAGACATCC 2029
Db 5088 CGAGTGAAGTACCTTAAAGCGCGCGCTTTTGTAAAGTAAAGTAAAGTAAATTTT 5147
Qy 2030 AAGGATCTGCTCGGATGCGCATCATGATGAGTGGCGGCGCTGCGCGGG 2085
Db 5148 AAGGATCTGCTCGGATGATTTATGATGATGATGATGATGATGATGATGATGATG 5203

RESULT 6
US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US/10/239,676
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

Query Match 57.7%; Score 1203.2; DB 14; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.3e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTTGTCAACCAAGATGCGATGATGCTTTTGAATTTGATCA 60
Db 7504 TTTAAATAATATATATATTTCAACCAAAATAATACATATCTTAACTTATATCA 7445
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QY 61 TTCTCTAGTAAACCTTTATTTGTCATCATATTTCCACTTATCTGTTACCTTCA 120
Db 7444 TTCTCTAAATAAACCTTTATTTATTTTCATCATATTTTCACCTTATTTCTATTTACCTTCA 7385
QY 121 AAATATCTTTTATTTTATTTTGTAGACAGGGGTCACGTGACCCAGGCTAGAGCCAG 180
Db 7384 AAATATCT--TTTTTTTTTTTTTAAACAAATCACATGACCCAACTAAATTCGA 7327
QY 181 TGGCATCATCATGAGCTCACACAGCTCAACCTTCAGGGCTGAGGTATCTCCACTTC 240
Db 7326 TAAACATATCATATACACACAGACTCAACCTTCGAAAATCTGAAATATCTCCGACCTC 7267
QY 241 AGCTCTCCGAGTATGATGAGGACTACAGGACCTGCCACACCCGAGCTAATTTGTAGA 300
Db 7266 AACCTCCGAAATGAAATGAAACCTACAAACACTACCCACCCCACTAATTTTATGAA 7207
QY 301 GACAAAGTTTGGCATGTTGTGTCAGGGCTGGTGAACCTCGGGCTCAAGGGATCCGAC 360
Db 7206 AACAAATTTTACCATATATATCCAAACTAATCTTAACTCTTAACTCAAAAAATCCGAC 7147
QY 361 CACCTGAGCTCCCAAGTGTAGATATATAGGATGAGGACCTGCGGCTACCTT 420
Db 7146 CACCTGAGCTCCCAAGTGTAGATATATAGGATGAGGACCTGCGGCTACCTT 7087
QY 421 CAAGTATCTAATCTGTTACTAATCTTTAGATTTGGGCTATGTCTCAACCTTCTGCG 480
Db 7086 CAAGTATCTAATCTAATCTTAACTTTTAAATTCGACCTATATCTCAACACCTTCTTAC 7027
QY 481 TTAATCAATCTGTTCTCTTAAAGCACTGCTTCTCTATGTTAACTTTTAT 540
Db 7026 TTAATCAATCTGTTCTCTTAAAGCACTGCTTCTCTATGTTAACTTTTAT 6967
QY 541 GAGTTTATCTATCTGTTATTTTCTTATCTCTATACCAATTTGAATTTTCAAT 600
Db 6966 AATTTTATCTATCTTATTTTCTTATCTCTATACCAATTTGAATTTTCAAT 6907
QY 601 AAAGCACATCTATGATCATCTTTGAAATGAAAAAATGCTAGGATTTGAAAAG 660
Db 6906 AAAGCACATCTATGATCATCTTTGAAATGAAAAAATGCTAGGATTTGAAAAG 6848
QY 661 AAACCAATTTTAAATCTATTTTGAAGTATGTTCTATTTAAACACAGATCTAG 720
Db 6847 AAACCAATTTTAAATCTATTTTGAAGTATGTTCTATTTAAACACAGATCTAG 6788
QY 721 GCCAGGTGAGGTGCTCATGCTGTAAATCCGCAATTTGGGAAGTGGAGGTGAGAT 780
Db 6787 ACCAAATACATTAATCTATCTATATCCCAATTTAAAAATCGAAATAAAAAAT 6728
QY 781 TGCTTGAAGGCGAGGCTTCAAGACGAGCTGGGCAATGAGAGATTTCCCATCTT 840
Db 6727 TACTTAAACCCAAATTTCAAAACCACTAAACATTAATAAATTTCCCATCTT 6668
QY 841 CTTT-----ACACACACACACACACACACAAATATCTGATGACAAAGGTGAG 894
Db 6667 CTTTACACACACACACACACACACACACAAATATCTAATTAACAAATATCTA 6608
QY 895 TCATTACCAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 954
Db 6607 TCATTACCAATTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 6548
QY 955 TGTAAATCAATCATGAAAGCTGTGATGATGATGATGATGATGATGATGATGATGATGAT 1014
Db 6547 TATATAATTAACATTAATAACGCTATATTAATTAATTAATTAATTAATTAATTAATTA 6488
QY 1015 ATACTCTGATTTTGTAGT-AAATTCATATAAAGAAATGCTAGGTTTCACTGTTAT 1073
Db 6487 ATACTCTGATTTTGTAGT-AAATTCATATAAAGAAATGCTAGGTTTCACTGTTAT 6428
QY 1074 TTTGTCCGAGGCTGTGTGAGCGGAGGTTGAAAGCGCCGTCCAGAGCAGAGGAGTGCAC 1133
Db 6427 TTTATCCGAGGCTGTGTGAGCGGAGGTTGAAAGCGCCGTCCAGAGCAGAGGAGTGCAC 6368

QY 1134 CTAGACATGAGGCTGCAACCTCGGGCCATCACTATATTTCCGAGGCGGGGCTGCGC 1193
Db 6367 CTAAACATCAAAATTCACCTCGAACCAATCACTATATTTCCGAAACGAAACCCG-AC 6309
QY 1194 TTCCCGAGCCCAAGCTGCTCGAGGGGAGAGGACACATTTAAGATTTGGGGCGGCGT 1253
Db 6308 TTCCCGAGCCCAAGCTGCTCGAGGGGAGAGGACACATTTAAGATTTGGGGCGGCGT 6249
QY 1254 GGTAGCTATGCTCCCTGATCCGACACTTGGGAGGCTGAGGGGTGAAGTCACTTATAG 1313
Db 6248 AATTAACATTAACCTTATATCCCACTTGAATACTTAAACGTTAAATCACTTATTA 6189
QY 1314 CAGAGTTTGAAGCAAGCTTATGCACTTGGCGAGACCTGCTCCCTAATAAATTTT 1373
Db 6188 CAAATTTTAAACCAATCTTATCACTTAAAGAAACCTTATCCCTAATAAATTTT 6129
QY 1374 TTTAATTAAGCAATTTGTGTAGGCTGTATGCTTCCAGCTTCTGGAGGCTGAGGG 1433
Db 6128 TTTAATTAAGCAATTTGTGTAGGCTGTATGCTTCCAGCTTCTGGAGGCTGAGGG 6069
QY 1434 AGATTCGCTGGCTCAGAGGTTTCCAGCTGAGGACATGATGGGCACTGACCTCC 1493
Db 6068 AAATTCGCTAACTCAAAATTTCCAACTACATTAACATTAATTAAGCACTGACCTCC 6009
QY 1494 AGCGGCTGAGACTCAGTCTCAAAATTAAGGGGAGGGGTTGGGGTAAATTAAGTTG 1553
Db 6008 AACCGGTAATTAATCTAATCTCAAAATTAAGGGGAGGGGTTGGGGTAAATTAAGTTG 5949
QY 1554 TGAATTAAGTAAAGCTTCTGTGGACAGAACATTAAGGGGTTGGGGTAAATTAAGTTG 1613
Db 5948 TAAATTAAGTAAAGCTTCTGTGGACAGAACATTAAGGGGTTGGGGTAAATTAAGTTG 5889
QY 1614 AGAGCTACTAGTGTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTG 1673
Db 5888 AAATTAATTAAGTGTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTG 5830
QY 1674 ACCCGAGGCGCGCGGAGAACTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1732
Db 5829 ACCCGAGGCGCGCGGAGAACTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5770
QY 1733 CGGCGCGGTGAGCGGCGGTTCCGT-GGGCTTCCGCGCGCGCGCGCGCGCGCGCG 1791
Db 5769 CGGCGCGGTGAGCGGCGGTTCCGT-GGGCTTCCGCGCGCGCGCGCGCGCGCGCG 5710
QY 1792 GGAAGCGGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1849
Db 5709 AAAGCAAGTAAACGATTAACGATTAACGATTAACGATTAACGATTAACGATTAAC 5650
QY 1850 CTGGGTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1909
Db 5649 CTAATTAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5593
QY 1910 GGGTTCGCGAGCTTTGGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1969
Db 5592 AACTTCGCGAGCTTTTGAAGCACTTAAATTAATTAATTAATTAATTAATTAATTA 5533
QY 1970 CGAGTGAAGTACGCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2029
Db 5532 CGAATGAATACGCAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5473
QY 2030 AAGGACTGCTCGGATGGCATCATGTGTGCGAGGTGGGGCGC 2071
Db 5472 AAAAACTGCTCGGATTAACCATTAATTAATTAATTAATTAATTAATTAATTAAC 5431

RESULT 7
US-10-311-455-44/c
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OSEK, Alexander
; APPLICANT: FIEBENROCK, Christian
; APPLICANT: BERLIN, Kurt

/ TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detect
/ TITLE OF INVENTION: cytosine methylation
/ FILE REFERENCE: 5013.1014
/ CURRENT APPLICATION NUMBER: US/10/311.455
/ CURRENT FILING DATE: 2002-12-16
/ PRIOR APPLICATION NUMBER: PCT/EP01/07537
/ PRIOR FILING DATE: 2001-07-02
/ PRIOR APPLICATION NUMBER: DE 10032529.7
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: DE 10043826.1
/ PRIOR FILING DATE: 2000-09-01
/ NUMBER OF SEQ ID NOS: 2424
/ SEQ ID NO 44
/ LENGTH: 10619
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically created genomic DNA (Homo sapiens)
US-10-311-455-44

Query Match 57.7%; Score 1203.2; DB 15; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.3e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

QY 1 TTAGGAGATATATAGTGTCAACCCAGAGATGGCATGATGCGCTTTGACTGGTCA 60
DB 7504 TTTAAAAATATATATATATCAACCCAAAATTAATATATATATATATATATATCA 7445
QY 61 TTCTTAAGTAAACCTTTATTTGTTTCATATATTTTCACTATTTCTGTTAACTTCA 120
DB 7444 TTCTTAAGTAAACCTTTATTTATTCATATATTTTCACTATTTCTATTTAACTTCA 7385
QY 121 AAATATCTTTTCTTTTCTTTTGAAGCAGGGTCACTGTCAACCCAGGCTAAGTCCAG 180
DB 7384 AAATATCTTTTCTTTTCTTTTGAAGCAGGGTCACTGTCAACCCAGGCTAAGTCCAG 7327
QY 181 TGCACTATGATGAGTCAACAGCTCAACCTTCAAGGCTCAGGTATCTCCCACTTC 240
DB 7326 TAAACATATATATATATATCAACAGCTCAACCTTCAAGGCTCAGGTATCTCCCACTTC 7267
QY 241 AGCTCCGAGATAGATGGAATCAAGGACCTGACACCCCAAGCTAAATTTTGTAGA 300
DB 7266 AACCTCCGAGATAGATGGAATCAAGGACCTGACACCCCAAGCTAAATTTTGTAGA 7207
QY 301 GACAAAGTTTGGCATGTGTCCAGGCTGTGAACTCTTGAGCTCAAGGATCCGGC 360
DB 7206 AAGAAATTTTACATATATATCAACCTTAACTTAACTTAACTTAACTTAACTTAACT 7147
QY 361 CACCTCAGCTCCCAAGTGTAGATTTATAGGATGAGGCACTGCGCAGGCTACCTT 420
DB 7146 CACCTCAGCTCCCAAGTGTAGATTTATAGGATGAGGCACTGCGCAGGCTACCTT 7087
QY 421 CAAAGTATCTAAGTGTATTAATTTTGAAGTTCGCTATGCTCACAACCTTCTGC 480
DB 7086 CAAAGTATCTAAGTGTATTAATTTTGAAGTTCGCTATGCTCACAACCTTCTGC 7027
QY 481 TTAATCAACATCTGTCTCTTAAGCAGTACCTTCTCTATGTTAACTTTTAT 540
DB 7026 TTAATCAACATCTGTCTCTTAAGCAGTACCTTCTCTATGTTAACTTTTAT 6967
QY 541 GAGTTTATCATCTGTGTTATTTTCTTATCTCTATACAGAAATGAATTTTTCAT 600
DB 6966 AAATTTTATCATCTGTGTTATTTTCTTATCTCTATACAGAAATGAATTTTTCAT 6907
QY 601 AAAGCAGCTCATGTATCAATCTTTGAATGAAAAAAATATGATAGATAGAAAG 660
DB 6906 AAAGCAGCTCATGTATCAATCTTTGAATGAAAAAAATATGATAGATAGAAAG 6848
QY 661 AAACCAATTTTATTAATCTATATTTGAAGTATGTTCTATATTAACAACAAGATTAG 720
DB 6847 AAACCAATTTTATTAATCTATATTTTGAAGTATGTTCTATATTAACAACAAGATTAG 6788
QY 721 GCAGAGTGAAGTGGCTCATGCTGTATATCCAGCAATTTGGGAAGTGAAGTGGAGAT 780

DB 6787 ACCAAATACAAAT 6728
QY 781 TGGTTAGAGGCTCAGGGTTCAAGACAGCTGGGCAACATGAGAGATTTCCCATCTCTT 840
DB 6727 TACTTAAACCAAAAAATTCAAAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACT 6668
QY 841 CTTT-----AC 894
DB 6667 CTTTAC 6608
QY 895 TCATTACACAAATTTGAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 954
DB 6607 TCATTACACAAATTTGAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 6548
QY 955 TGTAAATCAATGAAAAAGCTGTGTATGATGATGATGATGATGATGATGATGATGATGAT 1014
DB 6547 TATTAATATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 6488
QY 1015 ATATCTCTGATATTTGTAGT-AAATCATATTAAGAAATGATGATGATGATGATGAT 1073
DB 6487 ATATCTCTGATATTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 6428
QY 1074 TTTGTCCGACAGGCTGTGTGAGCAGGATTAAGACCCGTCGACAGGAGGAGTGGAC 1133
DB 6427 TTTATCCGACAGATCTATTAAGACAAATTAAGACCCGTCGACAGGAGGAGTGGAC 6368
QY 1134 CTAGCACTGAGGGTCACTGCGGCAATCAATATATTTCCGAGCGGGGCTGCGC 1193
DB 6367 CTAGCACTGAGGGTCACTGCGGCAATCAATATATTTCCGAGCGGGGCTGCGC -AC 6309
QY 1194 TTCCCGAGCCAGCTCCCTCAAGGGAGAGAGACACCTTAAGATTTGGGGCGGCGT 1253
DB 6308 TTCCCGAGCCAGCTCCCTCAAGGGAGAGAGACACCTTAAGATTTGGGGCGGCGT 6249
QY 1254 GGTAGCTATGCCCCGATGCCAGCACTTGGAGGCTGAGGCGTGAAGATCACTTTAG 1313
DB 6248 AATTAACAT 6189
QY 1314 CAGAGTTTGAAGCAGCTGTAGCAGCTTGGGAGACCTGTGCTTAAATTAATTTT 1373
DB 6188 CAAAAATTTAAACCAATCTTAACCAATCTTAACCAATCTTAACCAATCTTAACCAAT 6129
QY 1374 TTTAATTAACCAATTTGTGTGAGGCGCTGATGATGATGATGATGATGATGATGATGAT 1433
DB 6128 TTTAATTAACCAATTTGTGTGAGGCGCTGATGATGATGATGATGATGATGATGATGAT 6069
QY 1434 AGGATGCTGAGGCTCAGAGATTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 1493
DB 6068 AATATGCTTAATCTCAAAAAATTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 6009
QY 1494 AGCGCGTGAAGCTCAGTCTCAAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGT 1553
DB 6008 AATGCGATTAATCTCAATCTCAAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGT 5949
QY 1554 TGAATCAAGTAAAGTCTTCTGAGGACAGAAATCAATCAAAAGGGGAGGGGCTCTTCCA 1613
DB 5948 TGAATCAAGTAAAGTCTTCTGAGGACAGAAATCAATCAAAAGGGGAGGGGCTCTTCCA 5889
QY 1614 AGAGTATAGTCAAGCCCAAGGCGGCTGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1673
DB 5888 AATATCTTAATCTCAAGCCCAAGGCGGCTGAGGCGGCGGCGGCGGCGGCGGCGGCGG 5830
QY 1674 ACCGCGAGCGCGCGGGAATCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1732
DB 5829 ACCGCGAGCGCGCGGGAATCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5770
QY 1733 CGGCGCGGAGCGCGGCTCGGT-AGCGTTCCCGGCGGCGGCGGCGGCGGCGGCGGCGG 1791
DB 5769 CGGCGCGGAGCGCGGCTCGGTAAAGTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 5710
QY 1792 GGAAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1849

Db 5709 AAAACGACGATACCGATACGACGATTCGATTAACGCTTAACCGCTCAAAACTAGCA 5650
QY 1850 CTGGGTGACGCGACGCGAGCGCGCGAGCGCAAGCGTGTGTTCTAGGCTCGTGCG 1909
Db 5649 CTAAATTAACGACGCGAAGCAAGCAAGCAACA---CGTATTCTTAATCGTAAGCTCG 5593
QY 1910 GGGCTTCGAGAGCTTTGGCGGACGTAAGGAGAGATGGCGAGTCTTGATTAAGCTTAT 1969
Db 5592 AACTTCGGAACCTTTAAGCACTAATAAAAAAATAACAAATCTTCGATTAAGCTTAT 5533
QY 1970 CGAGTGAATACGCGCAAGAGCGCGCGCTCTTGCAAGAAATGACGAGCATCCCG 2029
Db 5532 CGATGGAATACGCGCAAGAGCGCGCTCTTAAGAAATTAACAGCAAAACATCCCG 5473
QY 2030 AAGGACTCGCTCCGATGCGCATCATGTGCAAGTGCAGGCGGCGC 2071
Db 5472 AAAAAGCTCGCTCGAATTAACCATCATTAATTAACAAATGCAACC 5431

RESULT 8
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: with DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240.453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match 57.7%; Score 1203.2; DB 15; Length 10619;

Best Local Similarity 76.8%; Pred. No. 4.3e-284;

Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

QY 1 TTATGGAGATATATAGTGTCAACCCAGAGATGCGATGATGCTTTGACTTGCTCA 60
Db 7504 TTATAAATAATTAATTAATCAACCAAAATAACATATACATACCTTTTACCTTATCA 7445
QY 61 TTCTCTAAGTAAACCTTTATTTGTCATCATATTTTCACTTATCTGTTACCTCA 120
Db 7444 TTCTCTAATTAACCTTTATTTATTCATCATATTTTCACTTATCTTATTTACCTTCA 7385
QY 121 AATATATCTTTTATTTTATTTTGAAGACAGGCTCACTGTCAACCCAGGCTAGAGTCCAG 180
Db 7384 AATATC--TTTATTTTATTTTATTTTAAACAAATCACTATCAACCCAACTAAATCCAA 7327
QY 181 TGGCATATATGAGCTCAACAGCTCAACCTTCAAGGCTCAGGTATCTTCCACTTC 240
Db 7326 TAAACATATCATATCACTCAACCACTCAACCTTCAAACTCAAAATATCTCTCCACTTC 7267

QY 241 AGCTCCCGAGTATAGGACATACAGGCACTGCAACACCCAGCTAATTTTGTAGA 300
Db 7266 AACTCCCGAATTAATTAATTAACATAACACCTTACACACCCCACTAATTTTATTA 7207
QY 301 GACAAGGTTTGGCATGTGTGTCAGGCTGTGAACTCTGGGCTCAAGGATCCGGC 360
Db 7206 AAAAAATTTTACATATTAATTCGAACTAATCTTAACTCTTAACTCAAAAAATCCGAC 7147
QY 361 CACTCAGCTCCCAAGAGTGTAGATTTATGGAATAGACATGACATGCGGACGCTACTT 420
Db 7146 CACTCAACCTCCCAAAATATTAATAATTAATAACATTAACCATTAACCTACTCTT 7087
QY 421 CAAGTATCTAAGTGTACTTAATCTTTAAGATTTGGGCTATGTCTCAACCTTCTTGC 480
Db 7086 CAAGTATCTAATTAATTAATTAATTTTAAATTTGACATATCTCAACCTTCTTAC 7027
QY 481 TTACTCAACATCTGTGCTCTTAAGCACTAGCTTCTTCTCTATGTGTTACACTTTTAT 540
Db 7026 TTACTCAACATCTTATCTTAAACCACTAATCTTCTCTATTAATTAACACTTTTAT 6967
QY 541 GAGTTTATATCTGCTTATTTTCTTATCTTATCTTATCTTATCTTATCTTATCTTAT 600
Db 6966 AATTTTATATCTAATCTTATTTTCTTATCTTATCTTATCTTATCTTATCTTATCT 6907
QY 601 AAAGCACTGATGTAACTCTTTGAATGAAAAAATAATGATTAAGTAAAG 660
Db 6906 AAACACATCATATTAATTAATCTTTAAAT--AAAAAATAATTAATTAATTAATTA 6848
QY 661 AAACCAATTTTATTAATTAATTAATTTTGAATGATTAATTTTAAACATCAATCTAG 720
Db 6847 AAACCAATTTTATTAATTAATTAATTTTAAATTAATTTTAAACATCAATCTAA 6788
QY 721 GCCAGTCAATGCGTCAATGCTGTAATCCAGCAATTTGGAGTGGAGGAT 780
Db 6787 ACCAATTAATTAATTAATTAATTTTAACTTAATTTTAAATTTTAAATTTTAAAT 6728
QY 781 TGCTTGAAGGCGAGGCTTCAAGACGCTGGCAATGAGAGATTTCCCATCTCTT 840
Db 6727 TACTTAAACCAAAATTTCAAAACCACTTAACCAATTAATTTCCCATCTCTT 6668
QY 841 CTTT-----AC 894
Db 6667 CTTTAC 6608
QY 895 TCATTAACCAATTTGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATG 954
Db 6607 TCATTAACCAATTTGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 6548
QY 955 TGTAACTTAACATGAAAACTCTGTGATGATGATGATGATGATGATGATGATGATGAT 1014
Db 6547 TATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 6488
QY 1015 AATCTCTGCTGATTTTGTAGT-AAATTCATTAATTAATTAATTAATTAATTAATTAAT 1073
Db 6487 AATCTCTGATTAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6428
QY 1074 TTTTGTCCGAGGCTGTCGAGCGGATTAAGAAAGCGGCTCAAGCCAGAGGAGTGAAC 1133
Db 6427 TTTATCCGAGATCTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6368
QY 1134 CTAGACATGCAAGGCTCACTCTGGGCAATCAATTAATTTCCGAGGCGGCGCTGCGC 1193
Db 6367 CTAACTTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6309
QY 1194 TTTCCGAGACCGAGCTGCTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1253
Db 6308 TTTCCGAGACCGAGCTTCAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 6249
QY 1254 GGTAGCTATGCGGCTGATCCAGACATTTGGGAGGCTGAGGCTGAGGATCACTTGTAG 1313
Db 6248 AATTAACATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6189
QY 1314 CAGAGTTTGAAGCAAGTCTAGCAACTTGGCGAGAGCCCTGTCTTAAATAATTTT 1373


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Db 6667 CTTACACACACACACACACACACACACACAAATATCTAATACACAAATACTA 6608
Qy 895 TCATTCCCAATTTTGAAGTATGATGAGCTTAATATATTTTGAATTATCACCAAC 954
Db 6607 TCATTCCCAATTTTGAAGTATGATGAGCTTAATATATTTTGAATTATCACCAAC 6548
Qy 955 TGTAACTAACATGAAAAAGTCTGTGATGATGATGATGATGATGATGATGATGAT 1014
Db 6547 TGTAACTAACATGAAAAAGTCTGTGATGATGATGATGATGATGATGATGATGAT 6488
Qy 1015 ATATCTCTGTGATTTTGTAGT-AAATTCATATATATGAAATGCTAGTTTCAAGTTGAT 1073
Db 6487 ATATCTCTGTGATTTTGTAGT-AAATTCATATATGAAATGCTAGTTTCAAGTTGAT 6428
Qy 1074 TTTGTCCCGACGCTGTGTGAGACGAGGTATGAAAGCCCTTCAAGCAGAGGAGTGCAC 1133
Db 6427 TTTATCTCCGACGATCTATTAACGACAAATTAATAAGCCCGTCCAAACCAAAAAATTAAC 6368
Qy 1134 CTAGACCTGACGAGGTCCACTTGGGCAATCACTATATTTCCGAGGCGGGGCTGCGC 1193
Db 6367 CTAAACCTAACAAATCCACTGCAACCAATCACTATATTTCCGAAACGAAACCCG-AC 6309
Qy 1194 TTCCCGACCCAGCTGCTCAGGAGGAGAGACACTTAAGAAGTTTGGGCGCGCT 1253
Db 6308 TTCCCGAACCACTACCTCAAAAAAACAACCTTAATAAATTTTAAACCGACGT 6249
Qy 1254 GGTAGCTCAGTCCCTGATCCAGCACTTGGAGGCTGAGGCTGAGATCACTTGTAG 1313
Db 6248 AATTAACATATCCCTATATCCCACTTGGAAATCTTAACGTTAAATCACTTAATA 6189
Qy 1314 CAGAGTTTGAACACAGTCTAGCCACTTGGCGAGACCTGTCTCAAAAAATTTT 1373
Db 6188 CAAAATTTTAAACCAATCTAACCACTTAACGAAACCTATCTCTAATAAATTTT 6129
Qy 1374 TTTAATTAGCAGTTGTGTGAGGCTGTATGTCCTCAAGTCTGAGGAGCTAGAGTGC 1433
Db 6128 TTTAATTAACTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6069
Qy 1434 AGATCTCTGGGCTCAGAGTTCAGACTGAGTGAAGCCATGATGAGGAGCTGACACTCC 1493
Db 6068 AATATCTCTAACTCAAAAAATCCAAACTTAAATCAATTAATTAATTAATTAATTAAT 6009
Qy 1494 AGCGCGTGAAGCTCAGTCTCAAAAAATTAATTAATTAATTAATTAATTAATTAATTA 1553
Db 6008 AAGCGATTAATCTCATCTCAAAAAATTAATTAATTAATTAATTAATTAATTAATTA 5949
Qy 1554 TGAATCTAAGTAAAGCTTCTGTGAGACGAAACATCAAAAGGCTGAGGCGGCTCCAA 1613
Db 5948 TAAATCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 5889
Qy 1614 AGAGCTACTAGCTCAGCCCAAGCCCGCTGCGCCCGCCAGGCGAGCGCGAGAGCTCC 1673
Db 5888 AAAATCTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 5830
Qy 1674 ACCCGCAGCGCGCGCGGAACTCCGCGCCCGCGCGCGAGGCGCGCGCGCGCGCGCG 1732
Db 5829 ACCCGCAAAACCGCGGAAATCTCGCGCCCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5770
Qy 1733 CGCGCCCGTGAAGCGGAGTTTCTGT- GCGGTTCCGCGCGCGCGCGCGCGCGCGCGCG 1791
Db 5769 CGCGCCCGTGAAGCGGAAATCTCGTAAAGTTTCCCGCGCGCGCGCGCGCGCGCGCGCG 5710
Qy 1792 GGAACGCGCGTGGCGCGTGGCGCGTGGT- GCGGTTCCGCGCGCGCGCGCGCGCGCGCG 1849
Db 5709 AAAACGAGATTAACGAGATGAGCGATTCGATTAACGAGCTTCAACCGCTCAAAAACTA 5650
Qy 1850 CTGGGTGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1909
Db 5649 CTAAATTAACGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 5593
Qy 1910 GAGCTTCGAGCTTTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1969
Db 5592 AACTTCGAACTTTAAGCACTTAATAAAAAATTAAGAAATCTTGAATTAATTAATTAAT 5533
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Qy 1970 CGAGTGCAGTACCGCCAAAGAGCGCGCGCGCTCTTGCAGAAAAATGCAGCGAGCATCCCC 2029
Db 5532 CGAATGCAGTACCGCCAAAGAGCGCGCGCGCTCTTCAAAAAATTAACAGAAACATCCCC 5473
Qy 2030 AAGACTCGCTCGGATGCGCATCATGATGATGATGATGATGATGATGATGATGAT 2071
Db 5472 AAAAATCGCTCGGATTAACATCATTAATTAATTAATTAATTAATTAATTAATTAAT 5431

RESULT 10
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 13; Length 844;
Best Local Similarity 96.6%; Pred. No. 4,9e-161;
Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;

Qy 1207 CTGCTCTCAGGAGGAGAGACACTTAAGATTGGGGCGCGGTGTAGCTCATGCC 1266
Db 1 CTGCTCTCAGGAGGAGAGAGACACTTAAGATTGGGGCGCGGTGTAGCTCATGCC 60
Qy 1267 CCGTATCCAGACACTTGGGAGGCTGAGGCGGTGAAGATCACTTGTAGCAGAGTTTGAGA 1326
Db 61 CCGTATCCAGACACTTGGGAGGCTGAGGCGGTGAAGATCACTTGTAGCAGAGTTTGAGA 120
Qy 1327 CCACTCTAGCAACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1386
Db 121 CCACTCTAGCAACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 180
Qy 1387 TTGTGTGAGCGCTGTAGTCTTCACTCTCGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAG 1446
Db 181 TTGTGTGAGCGCTGTAGTCTTCACTCTCGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAG 240
Qy 1447 TCAGGAGTCCAGACGAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1506
Db 241 TCAGGAGTCCAGACGAGTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
Qy 1507 TCAGTCTCAAAAAATTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1566
Db 301 TCAGTCTCAAAAAATTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
Qy 1567 GACTTCTCGGAGCAGAAATCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1626
```

Db 361 GACTTCTGGGACAGAAACATCAAAAGGAGTGCCGCGGATCTCTCCAAAGACTACTGCT 420
 QY 1627 CAGCCCAAGCCCGGCTCGGCGCCCGAGGGACGCGG-CGCAAGAGCTCAACCCGACAGCG 1685
 Db 421 CAGCCCAAGCCCGGCTCGGCGCCCGAGGGACGCGGCGCCGAGAGCTCAACCCGACAGCG 480
 QY 1686 CCGGGAACCTCCGCCCCCGGCGGACGAGGCGCGCGC---CGCGCGCCCGGCGCGGTG 1742
 Db 481 CCGGGAACCTCCGCCCCCGGCGGACGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGGTG 540
 QY 1743 GACCCGGGTTCCGT-GGCGTTCCCGCGGCGGACATAGCAATCTATCAGGAAACGCGCG 1801
 Db 541 GACCCGGGTTCCGTGGCGGTTCCCGCGGACATAGCAATCTATCAGGAAACGCGCG 600
 QY 1802 TGCGCGGAGCGGCTGTTCCGCTG---CGCTCGCGCGCTCAAGCGG-TGGCGGCTGGGTAG 1858
 Db 601 TGCGCGGAGCGGCTGTTCCGCTG---CGCTCGCTTAGAGTCGTGGCGCTCGGCTTCCG 660
 QY 1859 CGCAGCGAGCGGCGGACGCGGCAAGCGTGTCTTAGAGTCGTGGCGCTCGGCTTCCG 1918
 Db 661 CGCAGCGAGCGGCGGACGCGGCA---GCGTGTCTTAGAGTCGTGGCGCTCGGCTTCCG 716
 QY 1919 AGCTTTGGCGGACGCTAGGGAGGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGCAG 1978
 Db 717 AGCTTTGGCGGACGCTAGGGAGGATGCGGAG-TCTTCGATTAAGCTCTATCGAGTGCAG 775
 QY 1979 TAGCCCAAGAGCGGCGCGCTCTTTCGAAGAAATGACGAGCATCCCAAGAGATCG 2038
 Db 776 TAGCCCAAGAGCGGCGCGCTCTTTCGA---GAATGACGAGCAAGCATCCCAAGACTCG 832
 QY 2039 CTCCGATGCG 2049
 Db 833 CTTCGATGCC 843

RESULT 11
 US-10-027-632-154183
 ; Sequence 154183, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 154183
 ; LENGTH: 844
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 17; Length 844;
 Best Local Similarity 96.6%; Pred. No. 4.9e-161;
 Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;
 QY 1207 CTGCCCTCAGGGAGAGAGACACTTAAGATTGGGCGCGCGTGTAGTCAATGCC 1266

Db 1 CTGCCCTCAGGGAGAGAGACACTTAAGATTGGGCGCGCGTGTAGTCAATGCC 60
 QY 1267 CTTGATCCAGGACTTTCGAGAGCTGAGGCTGTAAGATCATCTGTAGCAGAGTTTGAGA 1326
 Db 61 CTTGATCCAGGACTTTCGAGAGCTGAGGCTGTAAGATCATCTGTAGCAGAGTTTGAGA 120
 QY 1327 CCACTAGGCAACTTTCGAGAGAGCCGTCCTTAAATAATTTTATTTTATTTAGCAG 1386
 Db 121 CCACTAGGCAACTTTCGAGAGAGCCGTCCTTAAATAATTTTATTTTATTTAGCAG 180
 QY 1387 TTGTGTAGAGCGCTGTAGTCCAGTACTCGGAGAGCTGAGGTGGAAGATGCTGGCG 1446
 Db 181 TTGTGTAGAGCGCTGTAGTCCAGTACTCGGAGAGCTGAGGTGGAAGATGCTGGCG 240
 QY 1447 TCAGAGTTCCAGACTGACATGAGCCATGATGCGGACCTGCATCCAGCGCGGTAGAC 1506
 Db 241 TCAGAGTTCCAGACTGACATGAGCCATGATGCGGACCTGCATCCAGCGCGGTAGAC 300
 QY 1507 TCAGTCTCAAAATTAAGAGGAGGAGGTTGGGGGTAAATTAAGTTGTGAATCAAGTAA 1566
 Db 301 TCAGTCTCAAAATTAAGAGGAGGAGGTTGGGGGTAAATTAAGTTGTGAATCAAGTAA 360
 QY 1567 GACTTCTGGACAGAAACATCAAGAGGAGTGGCGCGGCTCTCAAAAGACTACTAGCT 1626
 Db 361 GACTTCTGGACAGAAACATCAAGAGGAGTGGCGCGGCTCTCAAAAGACTACTAGCT 420
 QY 1627 CAGCCCAAGCCCGGCTCGGCGCCCGAGGAGCGG-CGCGAGAGCTCACCGGACAGCG 1685
 Db 421 CAGCCCAAGCCCGGCTCGGCGCCCGAGGAGCGGCGCGAGAGCTCACCGGACAGCG 480
 QY 1686 CCGGGAACCTCCGCCCCCGGCGGACGAGGCGCGCGC---CGCGCGCCCGGCGCGGTG 1742
 Db 481 CCGGGAACCTCCGCCCCCGGCGGACGAGGAGGCGCGCGCGCGCGCGCGCGCGCGGTG 540
 QY 1743 GACGCGGTTCCGT-GGCGTTCCCGGCGGACGACATCAAGATCTATCAGGAAACGAGCG 1801
 Db 541 GACGCGGTTCCGTGGGCGGTTCCCGGCGGACGACATCAAGATCTATCAGGAAACGAGCG 600
 QY 1802 TGCGCGGAGCGGCTGTTCCGCTG---CGCTCGCGCTCAAGCGG-TGGCGGCTGGGTAG 1858
 Db 601 TGCGCGGAGCGGCTGTTCCGCTG---CGCTCGCGCTCAAGCGGCTGGGTAG 660
 QY 1859 CGCAGCGAGCGGCGGACGCGGCAAGCGTGTCTTAGAGTCGTGGCGCTCGGCTTCCG 1918
 Db 661 CGCAGCGAGCGGCGGACGCGGCA---GCGTGTCTTAGAGTCGTGGCGCTTCCG 716
 QY 1919 AGCTTTGGCGGACGCTAGGGAGGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGCAG 1978
 Db 717 AGCTTTGGCGGACGCTAGGGAGGATGCGGAG-TCTTCGATTAAGCTCTATCGAGTGCAG 775
 QY 1979 TAGCCCAAGAGCGGCGCGCTCTTTCGAAGAAATGACGAGCATCCCAAGAGATCG 2038
 Db 776 TAGCCCAAGAGCGGCGCGCTCTTTCGA---GAATGACGAGAGCATCCCAAGACTCG 832
 QY 2039 CTCCGATGCG 2049
 Db 833 CTTCGATGCC 843

RESULT 12
 US-09-960-253-107
 ; Sequence 107, Application US/09960253
 ; Patent No. US20020123619A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Benson, Darin R.
 ; APPLICANT: Mohamath, Raedoh
 ; APPLICANT: Lodes, Michael J.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; FILE REFERENCE: 210121.556
 ; CURRENT APPLICATION NUMBER: US/09/960,253
 ; CURRENT FILING DATE: 2001-09-20

QY 1902 TGGCGTGGGCTTCCGAGCTTTGGCGGACGCTAGGGAGAGATGGCGAGTCTTGGATA 1961
 DB 119 TGGCGTGGGCTTCCGAGCTTTGGCGGACGCTAGGGAGAGATGGCGAGTCTTGGATA 178
 QY 1962 AGCTCTATCGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAGAGAAATGCAGCGAGA 2021
 DB 179 AGCTCTATCGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAGAGAAATGCAGCGAGA 238
 QY 2022 GCATCCCCAAGAGTCCGCTCCGAGTGGCCATCATGTGTCAGGTGC 2066
 DB 239 GCATCCCCAAGAGTCCGCTCCGAGTGGCCATCATGTGTCAGGTGC 283

RESULT 15

US-10-163-587A-3
 ; Sequence 3, Application US/10163587A
 ; Publication No. US20030096263A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Oliveira, Marcos
 ; TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
 ; FILE REFERENCE: 50229-306
 ; CURRENT APPLICATION NUMBER: US/10/163,587A
 ; CURRENT FILING DATE: 2003-01-10
 ; PRIOR APPLICATION NUMBER: 60/296,110
 ; PRIOR FILING DATE: 2001-06-07
 ; NUMBER OF SEQ ID NOS: 40
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 3
 ; LENGTH: 3859
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CD9
 ; LOCATION: (160)..(3204)
 ; OTHER INFORMATION:
 US-10-163-587A-3

Query Match 12.5%; Score 261.4; DB 14; Length 3859;
 Best Local Similarity 97.2%; Pred. No. 3,4e-53;
 Matches 277; Conservative 0; Mismatches 6; Indels 2; Gaps 1;

QY 1782 AATCTATCAGGGAACGCGGCTGGCGGCTGCGGCTGTTTCGATGCGCTCTGCGCGCTCAGC 1841
 DB 1 AATCTATCAGGGAACGCGGCTGGCGGCTGCGGCTGTTTCGATGCGCTCTGCGCGCTCAGC 60
 QY 1842 CGTGGCGGCTGGTGAAGCGACGCGAGCGCGCGAGCGCGCAAGCGTGTCTTAGGTGC 1901
 DB 61 CCGTGGCGGCTGGTGAAGCGACGCGAGCGCGCGAGCGCGCAAGC--GTGTTTCTAGGTGC 118
 QY 1902 TGGCGTGGGCTTCCGAGCTTTGGCGGACGCTAGGGAGAGATGGCGAGTCTTGGATA 1961
 DB 119 TGGCGTGGGCTTCCGAGCTTTGGCGGACGCTAGGGAGAGATGGCGAGTCTTGGATA 178
 QY 1962 AGCTCTATCGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAGAGAAATGCAGCGAGA 2021
 DB 179 AGCTCTATCGAGTGAAGTACGCCAAGAGCGGGCGGCTCTTGCAGAGAAATGCAGCGAGA 238
 QY 2022 GCATCCCCAAGAGTCCGCTCCGAGTGGCCATCATGTGTCAGGTGC 2066
 DB 239 GCATCCCCAAGAGTCCGCTCCGAGTGGCCATCATGTGTCAGGTGC 283

Search completed: February 28, 2005, 06:52:37
 Job time : 5156.4 secs

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Query Match 100.0%; Score 36; DB 1; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0;
Gaps 0


```

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865_601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 229:
SEQUENCE CHARACTERISTICS:
LENGTH: 42 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd62rs
US-08-222-177A-229

Query Match      100.0%; Score 36; DB 1; Length 42;
Best Local Similarity 100.0%; Pred. No. 7.de-05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1 CACACACACACACACACACACACACACACACA 36
            |||
Db          2 CACACACACACACACACACACACACACACACA 37

RESULT 13
US-08-222-177A-388
Sequence 388, Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (GC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSER: Dewitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865_601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 388:
SEQUENCE CHARACTERISTICS:
LENGTH: 43 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

```

```

; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE: .
; CLONE: mfa123rs
US-08-222-177A-388

Query Match      100.0%; Score 36; DB 1; Length 43;
Best Local Similarity 100.0%; Pred. No. 7.8e+05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1 CACACACACACACACACACACACACACACACACACA 36
             |||||
Db           2 CACACACACACACACACACACACACACACACACACA 37

RESULT 14
US-08-222-177A-195
; Sequence 195, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 195:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULAR TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mf44978
US-08-222-177A-195

Query Match      100.0%; Score 36; DB 1; Length 44;
Best Local Similarity 100.0%; Pred. No. 7.8e+05;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY          1 CACACACACACACACACACACACACACACACACACA 36
             |||||
Db           1 CACACACACACACACACACACACACACACACACACA 36

```

Sequence 241. Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
APPLICANT: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dC-da)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: DeWitt Ross & Stevens, S.C.
STREET: 8000 Excelsior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sata, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865,601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mtd66ts
US-08-222-177A-241

	Query Match	100.0%	Score 36;	DB 1;	Length 44;
	Best Local Similarity	100.0%	Pred. No.	7.8e-05;	
	Matches	36;	Conservative	0;	Mismatches 0;
					Indels 0;
Qy	1 CACACACACACACACACACACACACACACA	36			
Db	2 CACACACACACACACACACACACACACACA	37			

Search completed: February 28, 2005, 01:15:34
Job time : 7.32316 secs

Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: 05-MAR-1999 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: Mcmasters, David D. REGISTRATION NUMBER: 33,963 REFERENCE/DOCKET NUMBER: 920010.426C2 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900 TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO: 678: SEQUENCE CHARACTERISTICS: LENGTH: 39 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear </p>				
US-09-263-959-678				
Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: 05-MAR-1999 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: Mcmasters, David D. REGISTRATION NUMBER: 33,963 REFERENCE/DOCKET NUMBER: 920010.426C2 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900 TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO: 678: SEQUENCE CHARACTERISTICS: LENGTH: 39 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear </p>				
US-09-263-959-678				
Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: 05-MAR-1999 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: Mcmasters, David D. REGISTRATION NUMBER: 33,963 REFERENCE/DOCKET NUMBER: 920010.426C2 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900 TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO: 678: SEQUENCE CHARACTERISTICS: LENGTH: 39 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear </p>				
US-09-263-959-678				
Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: 05-MAR-1999 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: Mcmasters, David D. REGISTRATION NUMBER: 33,963 REFERENCE/DOCKET NUMBER: 920010.426C2 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900 TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO: 678: SEQUENCE CHARACTERISTICS: LENGTH: 39 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear </p>				
US-09-263-959-678				
Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: 05-MAR-1999 CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: Mcmasters, David D. REGISTRATION NUMBER: 33,963 REFERENCE/DOCKET NUMBER: 920010.426C2 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900 TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO: 678: SEQUENCE CHARACTERISTICS: LENGTH: 39 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear </p>				
US-09-263-959-678				
Query Match	Best Local Similarity	Score 36;	DB 9;	Length 39;
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
<p> APPLICANT: Rowen, Lee APPLICANT: Koop, Ben F. TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE NUMBER OF SEQUENCES: 1279 CORRESPONDENCE ADDRESSES: ADDRESSEE: Seed and Berry LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle STATE: Washington COUNTRY: US ZIP: 98104-7092 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/263,959 FILING DATE: </p>				


```

: SEQ ID NO 27
:
: LENGTH: 44
:
: TYPE: DNA
:
: ORGANISM: artificial seq
:
: FEATURE:
:
: NAME/KEY: misc feature
:
: LOCATION: (1..7)
:
: OTHER INFORMATION: CA-23
:
: US-09-852-903C-27

```

Query Match	100.0%;	Score 36;	DB 10;	Length 44;
Best Local Similarity	100.0%;	Pred. No. 6.5e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

	QY	D _b
1	CACACACACACACACACACACACACACA	36
1		
1	CACACACACACACACACACACACACACA	36

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RESULT 14
US-09-852-903C-28
/ Sequence 28, Application US/99862903C
/ Publication No. US20030104376A1
/ GENERAL INFORMATION:
/ APPLICANT: Diattech Pcy. Ltd.
/ TITLE OF INVENTION: An assay
/ FILE REFERENCE: 2414918/EH
/ CURRENT APPLICATION NUMBER: US/09/852,903C
/ CURRENT FILING DATE: 2001-05-09
/ PRIOR APPLICATION NUMBER: US 60/202,771
/ PRIOR FILING DATE: 2000-05-09
/ PRIOR APPLICATION NUMBER: US 60/202,559
/ PRIOR FILING DATE: 2000-05-10
/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 28
/ LENGTH: 46
/ TYPE: DNA
/ ORGANISM: artificial sequence
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: ( ) --(7)
/ OTHER INFORMATION: Ca-24
/ US-09-852-903C-28

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Query Match	100.0%;	Score 36;	DB 10;	Length 46;
Best Local Similarity	100.0%;	Pred. No. 6.6e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	CACACACACACACACACACACACACACA	36
Db	1	CACACACACACACACACACACACACACA	36

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RESULT 15
US-09-971-353-33
; Sequence 33, Application US/09971353
; Publication No. US20030113723A1
; GENERAL INFORMATION:
; APPLICANT: Bapat, Bharati
; APPLICANT: Rose, Melanie Anne
; TITLE OF INVENTION: METHOD FOR EVALUATING MICROSTELLITE INSTABILITY IN A TUMOR SAMPLE
; FILE REFERENCE: 11757.54/SUSU1
; CURRENT APPLICATION NUMBER: US/09/971,353
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: US 60/237,884
; PRIOR FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Homo sapiens

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US-09-971-353-33

Query Match	100.0%;	Score 36;	DB 10;	Length 46;
Best Local Similarity	100.0%;	Pred. No. 6.6e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

Search completed: February 28, 2005, 06:52:39
Job time : 90.8932 secs

Job time : 90.8932 secs

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